AUTHOR AND SUBJECT INDEXES

ISSN 0022-1759

VOLUMES 126–135 (1990)

JOURNAL OF IMMUNOLOGICAL METHODS

EDITORS:

V. NUSSENZWEIG

M.W. TURNER

ELSEVIER

Scope of the Journal

The JOURNAL OF IMMUNOLOGICAL METHODS is devoted to covering techniques for: (1) Quantitating and detecting antibodies and/or antigens and haptens based on antigen-antibody interactions. (2) Fractionating and purifying immunoglobulins, lymphokines and other molecules of the immune system. (3) Isolating antigens and other substances important in immunological processes. (4) Labelling antigens and antibodies with radioactive and other markers. (5) Localizing antigens and/or antibodies in tissues and cells, in vivo or in vitro. (6) Detecting, enumerating and fractionating immunocompetent cells. (7) Assaying for cellular immunity. (8) Detecting cell-surface antigens by cell-cell interactions. (9) Initiating immunity and unresponsiveness. (10) Transplanting tissues. (11) Studying items closely related to immunity such as complement, reticuloendothelial system and others.

Editors

V. Nussenzweig, *Department of Pathology, New York University Medical Center, School of Medicine, 550 First Avenue, New York, NY 10016, U.S.A.*

M.W. Turner, *Department of Immunology, Institute of Child Health, University of London, 30 Guilford Street, London WC1N 1EH, U.K.*

Software Notice Editor

S.J. Merrill, *Department of Mathematics, Statistics and Computer Science, Marquette University, Milwaukee, WI 53233, U.S.A.*

Editorial Board

R. Aalberse, *Amsterdam, The Netherlands*
J.R. Archer, *London, U.K.*
S. Avrameas, *Paris, France*
R.S. Basch, *New York, NY, U.S.A.*
J.R. Battisto, *Cleveland, OH, U.S.A.*
H. Bennich, *Uppsala, Sweden*
A.E. Bolton, *Sheffield, U.K.*
F. Borek (Founding Editor), *Tel Aviv, Israel*
M.K. Brenner, *London, U.K.*
D. Brown, *Cambridge, U.K.*
J. Burnie, *Manchester, U.K.*
S. Challacombe, *London, U.K.*
S. Chantler, *Beckenham, U.K.*
N.R. Cooper, *La Jolla, CA, U.S.A.*
M. Denman, *Harrow, U.K.*
C.A. Dinarello, *Boston, MA, U.S.A.*
J. Fabre, *East Grinstead, U.K.*
A.J.H. Gearing, *Oxford, U.K.*
J. Goding, *Parkville, Australia*
J.G. Hall, *Sutton, U.K.*
F.C. Hay, *London, U.K.*
C.S. Hosking, *Parkville, Australia*
C.R. Howard, *London, U.K.*
T. Ishizaka, *Baltimore, MD, U.S.A.*
K. James, *Edinburgh, U.K.*
G. Janossy, *London, U.K.*
R. Jefferis, *Birmingham, U.K.*
J.C. Jensenius, *Århus, Denmark*
G. Johnson, *Birmingham, U.K.*
A.P. Johnstone, *London, U.K.*
M. Kazatchkine, *Paris, France*
M.A. Kerr, *Dundee, U.K.*
S.C. Kinsky, *Denver, CO, U.S.A.*
S. Knight, *Harrow, U.K.*
H. Koprowski, *Philadelphia, PA, U.S.A.*
M. Lamm, *Cleveland, OH, U.S.A.*
J.J. Langone, *Houston, TX, U.S A.*
R.G. Leslie, *Odense, Denmark*
N. Ling, *Birmingham, U.K.*
M. Loken, *Mountain View, CA, U.S.A.*
R.M. Maini, *London, U.K.*
J. Maryanski, *Epalinges, Switzerland*
E. Nardin, *New York, NY, U.S.A.*
C.F. Nathan, *New York, NY, U.S.A.*
J.J. Oppenheim, *Frederick, MD, U.S.A.*
T.A.E. Platts-Mills, *Charlottesville, VA, U.S.A.*
M. Rabinovitch, *New York, NY, U.S.A.*
K.B.M. Reid, *Oxford, U.K.*
G.E. Rodey, *St. Louis, MO, U.S.A.*
P. Rubinstein, *New York, NY, U.S.A.*
J. Sedgwick, *Würzburg, F.R.G.*
A.W. Segal, *London, U.K.*
E.M. Shevach, *Bethesda, MD, U.S.A.*
F. Sinigaglia, *Basel, Switzerland*
N. Staines, *London, U.K.*
R. Steinman, *New York, NY, U.S.A.*
M. Steward, *London, U.K.*
C.R. Stokes, *Bristol, U.K.*
D. Stollar, *Boston, MA, U.S.A.*
D. Stott, *Glasgow, U.K.*
R.A. Thompson, *Birmingham, U.K.*
R.C. Thorpe, *Potters Bar, U.K.*
H. Towbin, *Basel, Switzerland*
P.A. Underwood, *North Ryde, Australia*
J.C. Unkeless, *New York, NY, U.S.A.*
R. Van Furth, *Leiden, The Netherlands*
J. Vilcek, *New York, NY, U.S.A.*
A. Voller, *London, U.K.*
D.M. Weir, *Edinburgh, U.K.*
P. Wilkinson, *Glasgow, U.K.*
F. Zavala, *New York, NY, U.S.A.*
S.B. Zolla-Pazner, *New York, NY, U.S.A.*

Subscription information

1991, Volumes 136–145 (10 volumes in 20 issues). NGL 3240.00 (USD 1820.00) including postage and handling.

The Dutch guilder price is definitive. The US dollar price is subject to exchange rate fluctuations and is only given as a guide.

Journals are sent by surface delivery to all countries except the following countries where SAL delivery (Surface Airlifted Mail) is ensured: U.S.A., Canada, Japan, Australia, New Zealand, P.R. China, India, Israel, South Africa, Malaysia, Singapore, South Korea, Taiwan, Pakistan, Hong Kong, Brazil, Argentina, Mexico and Thailand. Airmail rates for other countries are available on request.

Subscription orders can be entered only by calendar year (January–December) and should be sent to: Elsevier Science Publishers B.V., Journals Department, P.O. Box 211, 1000 AE Amsterdam, The Netherlands, Telex 18582 ESPA NL, or to your usual subscription agent.

Claims for missing issues should be made within three months of publication, otherwise they cannot be honoured free of charge.

In the U.S.A. and Canada: All questions arising after acceptance of a manuscript by the editor, especially those relating to proofs, publication and reprints, should be directed to the publishers, Elsevier Science Publishers B.V. (Biomedical Division), P.O. Box 1527, 1000 BM Amsterdam, The Netherlands. For further information, contact Elsevier Science Publishers, Co., Inc., Attn. Journal Information Center, 655 Avenue of the Americas, New York, NY 10010, U.S.A.; Tel. (212) 633-3750, Telefax (212) 633-3990, Telex 420-643 AEP UI.

Information for advertisers

Advertising orders and enquiries can be sent to the Advertising Manager, Elsevier Science Publishers B.V., Advertising Department, Molenwerf 1, 1014 AG Amsterdam, P.O. Box 211, 1000 AE Amsterdam, The Netherlands (Tel.: 20-5803 714; Fax: 20-5803 769). For Great Britain: T.G. Scott & Son Ltd., Michael White, 30-32 Southampton St., London WC2E 7HR (Tel.: 071-240 2032; Fax: 071-379 7155). For U.S.A. and Canada: Weston Media Associates, Daniel Lipner, P.O. Box 1110, Green Farms, CT 06436-1110 (Tel.: 203-261 2500; Fax: 203-261 0101).

JOURNAL OF IMMUNOLOGICAL METHODS

Indexes 1990

Editorial Board

R. Aalberse, *Amsterdam, The Netherlands*
J.R. Archer, *London, U.K.*
S. Avrameas, *Paris, France*
R.S. Basch, *New York, NY, U.S.A.*
J.R. Battisto, *Cleveland, OH, U.S.A.*
H. Bennich, *Uppsala, Sweden*
A.E. Bolton, *Sheffield, U.K.*
F. Borek (Founding Editor), *Tel Aviv, Israel*
M.K. Brenner, *London, U.K.*
D. Brown, *Cambridge, U.K.*
J. Burnie, *Manchester, U.K.*
S. Challacombe, *London, U.K.*
S. Chantler, *Beckenham, U.K.*
N.R. Cooper, *La Jolla, CA, U.S.A.*
M. Denman, *Harrow, U.K.*
C.A. Dinarello, *Boston, MA, U.S.A.*
J. Fabre, *East Grinstead, U.K.*
A.J.H. Gearing, *Oxford, U.K.*
J. Goding, *Parkville, Australia*
J.G. Hall, *Sutton, U.K.*
F.C. Hay, *London, U.K.*
C.S. Hosking, *Parkville, Australia*
C.R. Howard, *London, U.K.*
T. Ishizaka, *Baltimore, MD, U.S.A.*
K. James, *Edinburgh, U.K.*
G. Janossy, *London, U.K.*
R. Jefferis, *Birmingham, U.K.*
J.C. Jensenius, *Århus, Denmark*
G. Johnson, *Birmingham, U.K.*
A.P. Johnstone, *London, U.K.*
M. Kazatchkine, *Paris, France*
M.A. Kerr, *Dundee, U.K.*
S.C. Kinsky, *Denver, CO, U.S.A.*
S. Knight, *Harrow, U.K.*
H. Koprowski, *Philadelphia, PA, U.S.A.*
M. Lamm, *Cleveland, OH, U.S.A.*
J.J. Langone, *Houston, TX, U.S A.*
R.G. Leslie, *Odense, Denmark*
N. Ling, *Birmingham, U.K.*
M. Loken, *Mountain View, CA, U.S.A.*
R.M. Maini, *London, U.K.*
J. Maryanski, *Epalinges, Switzerland*
E. Nardin, *New York, NY, U.S.A.*
C.F. Nathan, *New York, NY, U.S.A.*
J.J. Oppenheim, *Frederick, MD, U.S.A.*
T.A.E. Platts-Mills, *Charlottesville, VA, U.S.A.*
M. Rabinovitch, *New York, NY, U.S.A.*
K.B.M. Reid, *Oxford, U.K.*
G.E. Rodey, *St. Louis, MO, U.S.A.*
P. Rubinstein, *New York, NY, U.S.A.*
J. Sedgwick, *Würzburg, F.R.G.*
A.W. Segal, *London, U.K.*
E.M. Shevach, *Bethesda, MD, U.S.A.*
F. Sinigaglia, *Basel, Switzerland*
N. Staines, *London, U.K.*
R. Steinman, *New York, NY, U.S.A.*
M. Steward, *London, U.K.*
C.R. Stokes, *Bristol, U.K.*
D. Stollar, *Boston, MA, U.S.A.*
D. Stott, *Glasgow, U.K.*
R.A. Thompson, *Birmingham, U.K.*
R.C. Thorpe, *Potters Bar, U.K.*
H. Towbin, *Basel, Switzerland*
P.A. Underwood, *North Ryde, Australia*
J.C. Unkeless, *New York, NY, U.S.A.*
R. Van Furth, *Leiden, The Netherlands*
J. Vilcek, *New York, NY, U.S.A.*
A. Voller, *London, U.K.*
D.M. Weir, *Edinburgh, U.K.*
P. Wilkinson, *Glasgow, U.K.*
F. Zavala, *New York, NY, U.S.A.*
S.B. Zolla-Pazner, *New York, NY, U.S.A.*

JOURNAL OF IMMUNOLOGICAL METHODS

editors: V. NUSSENZWEIG

Department of Pathology, New York University Medical Center, School of Medicine, New York, NY 10016, U.S.A.

M.W. TURNER

Department of Immunology, Institute of Child Health, University of London, 30 Guilford Street, London WC1N 1EH, U.K.

Author and Subject Indexes (1990) Volumes 126–135

ELSEVIER SCIENCE PUBLISHERS B.V. – AMSTERDAM

© 1991 Elsevier Science Publishers B.V. (Biomedical Division)
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of the publisher, Elsevier Science Publishers B.V. (Biomedical Division), P.O. Box 1527, 1000 BM Amsterdam, The Netherlands.

No responsibility is assumed by the publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of the rapid advances in the medical sciences, the publisher recommends that independent verification of diagnoses and drug dosages should be made.

Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

Special regulations for authors. Upon acceptance of an article by the journal, the author(s) will be asked to transfer copyright of the article to the publisher. This transfer will ensure the widest possible dissemination of information.

Submission of a paper to this journal entails the author's irrevocable and exclusive authorization of the publisher to collect any sums or considerations for copying or reproduction payable by third parties (as mentioned in article 17, paragraph 2 of the Dutch Copyright Act of 1912, and in the Royal Decree of June 20, 1974 (S. 351) pursuant to article 16b of the Dutch Copyright Act of 1912) and/or to act in or out of Court in connection therewith.

Special regulations for readers in the U.S.A. This journal has been registered with the Copyright Clearance Center, Inc. Consent is given for copying of articles for personal or internal use, or for the personal use of specific clients. This consent is given on the condition that the copier pays through the Center the per-copy fee stated in the code on the first page of each article for copying beyond that permitted by sections 107 or 108 of the U.S. Copyright Law. The appropriate fee should be forwarded with a copy of the first page of the article to the Copyright Clearance Center, Inc., 27 Congress Street, Salem, MA 01970, U.S.A. If no code appears in an article, the author has not given broad consent to copy and permission to copy must be obtained directly from the author. All articles published prior to 1980 may be copied for a per-copy fee of U.S. $2.25, also payable through the Center. This consent does not extend to other kinds of copying, such as for general distribution, resale, advertising and promotion purposes, or for creating new collective works. Special written permission must be obtained from the publisher for such copying.

This journal is printed on acid-free paper.

Printed in The Netherlands

Announcement from the Publisher

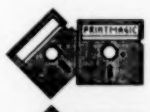
ELSEVIER SCIENCE PUBLISHERS (BIOMEDICAL DIVISION)

encourages the submission of electronic manuscripts

The preferred storage medium is a 5¼ or 3½ inch disk in MS-DOS or MS-DOS compatible format, although other systems, e.g. Macintosh, are acceptable.

Please note that it is essential that the disk submitted for publication is the final corrected version of the article and exactly matches the final manuscript. The disk and corresponding manuscript should be forwarded to the Publisher after acceptance of the article.

Please follow the general instructions on style/arrangement and, in particular, the reference style of this journal as given in 'Instructions to Authors'.



Illustrations and tables will be handled conventionally.

Please label the disk with your name, the software & hardware used and the name of the file to be processed.

Contact the Publisher for further information.

ELSEVIER SCIENCE PUBLISHERS B.V.
(BIOMEDICAL DIVISION)
P.O. Box 1527, 1000 BM Amsterdam
The Netherlands
Fax: (020) 5803454

Author Index
Volumes 126–135
1990

A

Aaby, P., see Lisse, I.M. (129) 49
Abbondandolo, A., see Degan, P. (133) 119
Abraham, R., see Pettersson, M.L. (126) 95
Abuknesha, R.A., see Samuel, D. (133) 133
Adolf, G.R. and Lamche, H.R.
Highly sensitive enzyme immunoassay for human lymphotoxin (tumor necrosis factor β) in serum (130) 177
Adolf, G.R., see Lamche, H.R. (131) 283
Aebersold, P.M., see Knazek, R.A. (127) 29
Aerts, P.C., see Van den Berg, C.W. (133) 199
Aguilar, J., see Torres, J.M. (134) 163
Ahlstedt, S., see Axelsson, L.-G. (127) 271
Aida, Y. and Pabst, M.J.
Removal of endotoxin from protein solutions by phase separation using Triton X-114 (132) 191
Åkerblom, E., see Hammar, E. (128) 51
Åkerström, B., see Elbashir, M.I. (135) 171
Åkesson, P., see Elbashir, M.I. (135) 171
Alam, K., see Warden, B.A. (131) 77
Alexander, D., see Banks, R.E. (126) 13
Alm, G., see Prümmer, O. (130) 187
Aloisio, C.H. and Nicholson, J.K.A.
Recovery of infectious human immunodeficiency virus from cells treated with 1% paraformaldehyde (128) 281
Alp, N.J., Sissons, J.G.P. and Borysiewicz, L.K.
Automation of limiting dilution cytotoxicity assays (129) 269
Amin, A.R., see Oppenheim, J.D. (130) 243
Anderer, F.A., see Pflueger, E. (129) 165
Ando, S., see Kayano, T. (130) 25
Andrew, D.P., Bidgood, T.D., Bose, C., Brown, D., Galfre, G. and Sherwood, M.
Monoclonal antibodies distinguishing α and β forms of calcitonin gene-related peptide (134) 87
Andrew, P.W., see Robertson, A.K. (133) 175
Ank, B.J., see Roberts, R.L. (126) 205
Antognetti, G., see Reilly, E.B. (126) 273
Anumula, K.R., Schulz, R. and Back, N.
Immunologic methods for quantitative estimation of small peptides and their application to bradykinin (135) 199
Apicella, M.A., see Lesse, A.J. (126) 109
Armenta, R., see Olson, J.D. (134) 71
Arora, D.J.S., see Houde, M. (132) 297
Artur, Y., see Varasteh, A. (128) 203
Arunachalam, B., Talwar, G.P. and Raghupathy, R.
A simplified cellular ELISA (CELISA) for the detection of antibodies reacting with cell-surface antigens (135) 181
Atherton, J.P., see Brickman, C.M. (132) 157
Aubry, J.-P., Durand, I., De Paoli, P. and Banchereau, J.
7-Amino-4-methylcoumarin-3-acetic acid-conjugated streptavidin permits simultaneous flow cytometry analysis of either three cell surface antigens or one cell surface antigen as a function of RNA and DNA content (128) 39
Axelsson, L.-G. and Ahlstedt, S.
A fluorescence method for the visualization of inflammatory cells in intestinal mucosa (127) 271
Aye, M.T., see Filion, L.G. (135) 59

B

Bach, J.F., see Safieh, B. (127) 255
Bach, M.K., Brashler, J.R. and Sanders, M.E.
Preparation of large numbers of highly purified normodense human eosinophils from leukapheresis (130) 277
Back, N., see Anumula, K.R. (135) 199
Baird, M.A., Marshall, C.J. and Heslop, B.F.
The urease ELISA for H-Y antibody. A cautionary tale (128) 293
Baker, P.J., see Elkins, K.L. (130) 123
Baldo, B.A., see Smal, M.A. (128) 183
Ballardini, G., see Fusconi, M. (130) 1
Bally, M.B., see Loughrey, H.C. (132) 25
Banchereau, J., see Aubry, J.-P. (128) 39
Bando, Y., see Igarashi, M. (135) 91
Banks, R.E., Evans, S.W., Van Leuven, F., Alexander, D., McMahon, M.J. and Whicher, J.T.
Measurement of the 'fast' or complexed form of α_2 macroglobulin in biological fluids using a sandwich enzyme immunoassay (126) 13
Bantjes, I., see Meilof, J.F. (133) 215
Barbosa, J., see Santamaria, P. (132) 1
Bardsley, D.W., Liddell, J.E., Coakley, W.T. and Clarke, D.J.
Electroacoustic production of murine hybridomas (129) 41
Baret, A., see Fert, V. (131) 237
Barth, R.F., see Tzeng, J.-J. (128) 257
Bartoli, A., see Pitzurra, L. (135) 71
Bauer, J., see Sperber, K. (129) 31
Bauman, J.G.J., see Bayer, J.A. (132) 13
Baumgarten, H., see Oppermann, M. (133) 181
Baumgarten, H., see Würzner, R. (126) 231
Bayer, J.A., De Vries, P., Herweijer, H. and Bauman, J.G.J.
The use of *E. coli* exonuclease III to generate single stranded DNA in BrdUrd cell-cycle analysis permits simultaneous detection of cell surface antigens (132) 13
Bazin, H., see Delaunay, T. (131) 33
Beagley, K.W., see Taguchi, T. (128) 65
Beekman, R.E., see Ince, C. (128) 227
Behan, P.O., see Morrison, L.J.A. (126) 191
Behan, W.M.H., see Morrison, L.J.A. (126) 191
Beletsky, I.P. and Umansky, S.R.
A new assay for cell death (134) 201
Benestad, H.B., Sundrehagen, E. and Skretting, B.R.A.
Migration of ^{99m}Tc-labelled syngeneic lymphocytes in the rat. Biological and theoretical models predict radiation damage and poor scintigraphic detectability (135) 1

Benner, R., see Vos, Q. (126) 89
Bennett, F.A., see Underwood, P.A. (127) 91
Berg, K., see Hansen, M.B. (127) 241
Berglund, A., see Hammar, E. (128) 51
Bernard, S., see Berthon, P. (131) 173
Berthon, P., Bernard, S., Salmon, H. and Binns, R.M.
Kinetics of the in vitro antibody response to transmissible gastroenteritis (TGE) virus from pig mesenteric lymph node cells, using the ELISASPOT and ELISA tests (131) 173
Bhat, N.M., Bieber, M.M. and Teng, N.N.H.
One step separation of human fetal lymphocytes from nucleated red blood cells (131) 147
Bianchi, F.B., see Fusconi, M. (130) 1
Bidgood, T.D., see Andrew, D.P. (134) 87
Bieber, M.M., see Bhat, N.M. (131) 147
Bignold, L.P., see Rogers, S.D. (135) 281
Bilgeri, R., see Wiedermann, C.J. (128) 147
Binder, P., see Dupont, H. (128) 287
Binns, R.M., see Berthon, P. (131) 173
Bird, C.R., see Wadhwa, M. (128) 211
Bistoni, F., see Pitzurra, L. (135) 71
Bittner, W.E., see Lesse, A.J. (126) 109
Björck, L., see Elbashir, M.I. (135) 171
Björkland, A., see Festin, R. (126) 69
Björkstén, B., see Gamkrelidze, A. (130) 9
Black, A., Kabat, E.A. and Morrison, S.L.
Rabbit antisera to the variable region domains of an anti-$\alpha(1 \rightarrow 6)$dextran using *E. coli*-produced V_L and V_H fusion proteins as immunogens (127) 123
Blanchard, D.K., Michelini-Norris, M.B. and Djeu, J.Y.
A rapid [^{3}H]glycerol radioassay for determination of monocyte-mediated growth inhibition of *Mycobacterium avium* (133) 285
Blanchard, G.C., Taylor, C.G., Busey, B.R. and Williamson, M.L.
Regeneration of immunosorbent surfaces used in clinical, industrial and environmental biosensors. Role of covalent and non-covalent interactions (130) 263
Bland, P.W., see Whiting, C.V. (133) 169
Blaser, K., see Smith, M.C. (131) 55
Blasi, E., see Pitzurra, L. (135) 71
Blazek, R., Schmitt, K., Krafft, U. and Hadding, U.
Fast and simple procedure for the detection of cell culture mycoplasmas using a single monoclonal antibody (131) 203
Blondeau, K., see Duval, D. (134) 177
Blondiau, M.-L., see Cogniaux, J. (128) 165
Bodman, K.B., see Sumar, N. (131) 127
Boersma, W., see Zegers, N. (130) 195
Boersma, W.J.A., see Deen, C. (129) 119
Bollen, A., see Hoylaerts, M.F. (126) 253
Bona, C.A., see Moran, T.M. (129) 199
Bone, A.J., see Webster, H.V. (134) 95
Bonnefoy, J.-Y., see Chollet, A. (127) 179
Boorsma, D.M., see Bruynzeel, I. (132) 51
Borel, H. and Borel, Y.
A novel technique to link either proteins or peptides to gammaglobulin to construct tolerogens (126) 159
Borel, Y., see Borel, H. (126) 159
Børmer, O., see Lindmo, T. (126) 183
Börmer, O.P. and Nustad, K.
Selection of monoclonal antibodies for use in an immunometric assay for carcinoembryonic antigen (127) 171
Borriello, S.P., see Davies, R.L. (134) 215
Borup-Christensen, P., see Ditzel, H. (133) 245
Borysiewicz, L.K., see Alp, N.J. (129) 269
Bose, C., see Andrew, D.P. (134) 87
Bosman, C.B., see Lagaay, A.M. (133) 235
Bosman, F.T., see Dinjens, W.N.M. (126) 175
Bosmans, E., see Bron, D. (130) 209
Boulant, J., see Pinon, J.M. (131) 143
Bourdillon, C., see Huet, D. (135) 33
Bourin, P., see Mansour, I. (127) 61
Bowman, P.D., see McFaul, S.J. (130) 171
Bozeman, P.M., Learn, D.B. and Thomas, E.L.
Assay of the human leukocyte enzymes myeloperoxidase and eosinophil peroxidase (126) 125
Bracci, L., see Santucci, A. (127) 131
Bradley, J., see Norazmi, M.-N. (131) 223
Brandt, E., see Oppermann, M. (133) 181
Brashler, J.R., see Bach, M.K. (130) 277
Braun, J.M. and Charreire, J.
Production and characterisation of monoclonal antibodies directed against different epitopes of human thyroid stimulating hormone (132) 197
Bray, A.M., see Maeji, N.J. (134) 23
Bredehorst, R., see Kusterbeck, A.W. (135) 191
Brenner, M.K., see Buschle, M. (133) 77
Brickman, C.M., Atherton, J.P. and Kantor, N.L.
A new, simplified method for oxidation of human complement component C2 (132) 157
Bron, D., Delforge, A., Lagneaux, L., De Martynoff, G., Bosmans, E., Van der Auwera, P., Snoeck, R., Burny, A. and Stryckmans, P.
Production of human monoclonal IgG antibodies reacting with cytomegalovirus (CMV) (130) 209
Brown, A.R.
Combined immunocytochemical staining and image analysis for the study of lymphocyte specificity and function in situ (130) 111
Brown, D., see Andrew, D.P. (134) 87
Brown, J.C., see Murray, J.S. (127) 25
Bruderer, U., Fürer, E., Cryz, Jr., S.J. and Lang, A.B.
Qualitative analysis of antibody binding. An in vitro assay for the evaluation and development of vaccines (133) 263
Bruynzeel, I., Van der Raaij, L.M.H., Boorsma, D.M., De Haan, P., Scheper, R.J., Kraal, G. and Willemze, R.
Spectophotometric quantification of cell-cell adherence by an enzyme-linked immuno-cell adhesion assay (132) 51
Bryan, M.K., see Santamaria, P. (132) 1
Bublitz, R., see Cumme, G.A. (128) 241
Buckley, R.H., see Claassen, J.L. (126) 213
Bunch, D.S., Rocke, D.M. and Harrison, R.O.
Statistical design of ELISA protocols (132) 247
Bundle, D.R., see Meikle, P.J. (132) 255
Bundle, D.R., see Vorberg, E. (132) 81

Burdick, G., see Emlen, W. (132) 91
Burke, L.M., see Morgan, A. (126) 1
Burlingame, R.W. and Rubin, R.L.
Subnucleosome structures as substrates in enzyme-linked immunosorbent assays (134) 187
Burny, A., see Bron, D. (130) 209
Busch, R. and Rothbard, J.B.
Detection of peptide-MHC class II complexes on the surface of intact cells (134) 1
Buschle, M., Brenner, M.K., Chen, I.S.Y., Drexler, H.G., Gignac, S.M. and Rooney, C.M.
Transfection and gene expression in normal and malignant primary B lymphocytes (133) 77
Busey, B.R., see Blanchard, G.C. (130) 263
Bušová, B., see Nikš, M. (126) 263
Butterworth, A.E., see Thorne, K.J.I. (133) 47
Buyon, J.P., Slade, S.G., Chan, E.K.L., Tan, E.M. and Winchester, R.
Effective separation of the 52 kDa SSA/Ro polypeptide from the 48 kDa SSB/La polypeptide by altering conditions of polyacrylamide gel electrophoresis (129) 207
Bygren, P., see Rasmussen, N. (127) 139

C

Cambiaso, C.L., Van Vooren, J.P. and Farber, C.M.
Immunological detection of mycobacterial antigens in infected fluids, cells and tissues by latex agglutination. Animal model and clinical application (129) 9
Cambiaso, C.L., see Mareschal, J.C. (131) 137
Campagnari, A.A., see Lesse, A.J. (126) 109
Campani, L., see Polonelli, L. (132) 205
Capel, P.J.A., see Tuijnman, W.B. (127) 207
Capron, A., see Chamekh, M. (134) 129
Carbone, R., see Perosa, F. (128) 9
Carini, C., Iwata, M., Warner, J. and Ishizaka, K.
A method to generate antigen-specific suppressor T cells in vitro from peripheral blood T cells of honey bee venom-sensitive, allergic patients (127) 221
Carroll, K., Lannon, B. and O'Kennedy, R.
Optimal fixation of cells for use in solid-phase ELISA (129) 71
Cassani, F., see Fusconi, M. (130) 1
Cassani, G., see Corti, A. (134) 81
Castagnola, M., see Polonelli, L. (132) 205
Castor, C.W., see Sisson, T.H. (127) 215
Catana, E., see Pascual, M. (127) 263
Cauvin, A., see Gourlet, P. (133) 151
Cavarec, L., Quillet-Mary, A., Fradelizi, D. and Conjeaud, H.
An improved double fluorescence flow cytometry method for the quantification of killer cell/target cell conjugate formation (130) 251
Cecchini, D.J., see Warden, B.A. (131) 77
Cederblad, B., see Prümmer, O. (130) 187
Cerda, S. and Oh, S.K.
Methods to quantitate human haptoglobin by complexation with hemoglobin (134) 51
Ceuppens, J.L., see Vandenberghe, P.A. (127) 197
Chakraborty, J., see Frost, S.J. (134) 207
Chamekh, M., Facon, B., Dissous, C., Haque, A. and Capron, A.
Use of a monoclonal antibody specific for a protein epitope of *Echinococcus granulosus* antigen 5 in a competitive antibody radioimmunoassay for diagnosis of hydatid disease (134) 129
Chan, E.K.L., see Buyon, J.P. (129) 207
Chapman, V., Fletcher, S.M. and Jones, M.N.
A simple theoretical treatment of a competitive enzyme-linked immunosorbent assay (ELISA) and its application to the detection of human blood group antigens (131) 91
Charles, P.T., see Kusterbeck, A.W. (135) 191
Charreire, J., see Braun, J.M. (132) 197
Chen, I.S.Y., see Buschle, M. (133) 77
Chen, S.-S.
Enumeration of antigen-specific IgE responses at the single-cell level by an ELISA plaque assay (135) 129
Chezzi, C., see Polonelli, L. (132) 205
Choi, E.C., see Kim, W.B. (126) 119
Choi, L.S., see Loughrey, H.C. (132) 25
Choi, N.-H., Tobe, T., Hara, K., Yoshida, H. and Tomita, M.
Sandwich ELISA assay for quantitative measurement of SP-40,40 in seminal plasma and serum (131) 159
Chollet, A., Bonnefoy, J.-Y. and Odermatt, N.
Preparation, application and biological characterization of interleukin-1β mutant protein biotinylated at a single site (127) 179
Chong, A.S.-F., see Scuderi, P. (128) 119
Christensen, J. and Leslie, R.G.Q.
Quantitative measurement of Fc receptor activity on human peripheral blood monocytes and the monocyte-like cell line, U937, by laser flow cytometry (132) 211
Christophe, J., see Gourlet, P. (133) 151
Cillari, E., Milano, S. and Dieli, M.
Rapid quantitative method for measuring phagocytosis of *Leishmania* promastigotes using a double radiolabelling method (130) 57
Civin, C.I., see Gore, S.D. (132) 275
Claassen, E., see Claassen, I. (134) 153
Claassen, E., see Deen, C. (129) 119
Claassen, E., see Vos, Q. (126) 89
Claassen, E., see Zegers, N. (130) 195
Claassen, I., Van Rooijen, N. and Claassen, E.
A new method for removal of mononuclear phagocytes from heterogeneous cell populations in vitro, using the liposome-mediated macrophage 'suicide' technique (134) 153
Claassen, J.L., Levine, A.D. and Buckley, R.H.
A cell culture system that enhances mononuclear cell IgE synthesis induced by recombinant human interleukin-4 (126) 213

Clark, M.R., see Cobbold, S.P. (127) 19
Clarke, D.J., see Bardsley, D.W. (129) 41
Coakley, W.T., see Bardsley, D.W. (129) 41
Cobbold, S.P., Rebello, P.R.U.B., Davies, H.Ff.S., Friend, P.J. and Clark, M.R.
A simple method for measuring patient anti-globulin responses against isotypic or idiotypic determinants (127) 19
Cochran, A.J., see Saito, H. (134) 121
Coffman, R.L., see Taguchi, T. (128) 65
Coghlan, L.G. and Hanausek, M.
Subcutaneous immunization of rabbits with nitrocellulose paper strips impregnated with microgram quantities of protein (129) 135
Cogniaux, J., De Schepper, N., Blondiau, M.-L., Cornet, B., Horal, P. and Vahlne, A.
Characterization of monoclonal antibodies against the p17 core protein of the human immunodeficiency virus 1 (128) 165
Collet-Cassart, D., see Halflants, M. (134) 171
Collet-Cassart, D., see Mareschal, J.C. (131) 137
Colsky, A.S. and Peacock, J.S.
Sodium pyruvate inhibits the spontaneous release of ^{51}Cr from RBC in chromium release assays (129) 139
Colsky, A.S., see Peacock, J.S. (126) 147
Conjeaud, H., see Cavarec, L. (130) 251
Conti, S., see Polonelli, L. (132) 205
Cook, J.M., see Jauberteau, M.O. (134) 107
Cornelissen, J.J., Oosterlaken, T.A.M., Schellekens, J., Torensma, R., Rozenberg-Arska, M., Kraaijeveld, C.A. and Verhoef, J.
Discrimination by rabbit anti-idiotypic antibodies of two murine IgM monoclonal antibodies directed against lipid A (130) 141
Cornet, B., see Cogniaux, J. (128) 165
Corsèl-Van Tilburg, A.J., see Nibbering, P.H. (129) 143
Corti, A., Tripputi, P. and Cassani, G.
A rapid method for monitoring DNA labelling reactions with haptens (134) 81
Courel, M.-N., see Pettersson, M.L. (126) 95
Cox, J.C., see Jones, S.L. (129) 227
Crichton, D.N. and Steel, C.M.
Autoantibodies and spurious anti-H-Y specificity (132) 151
Cross, A.R., see Robertson, A.K. (133) 175
Crowley, M.T., Inaba, K., Witmer-Pack, M.D., Gezelter, S. and Steinman, R.M.
Use of the fluorescence activated cell sorter to enrich dendritic cells from mouse spleen (133) 55
Crumpacker, D.B., see Yannelli, J.R. (130) 91
Cryz, Jr., S.J., see Bruderer, U. (133) 263
Cullis, P.R., see Loughrey, H.C. (132) 25
Cullor, J.S., see Tyler, J.W. (129) 221
Cumber, A.J., Henry, R.V., Parnell, G.D. and Wawrzynczak, E.J.
Purification of immunotoxins containing the ribosome-inactivating proteins gelonin and momordin using high performance liquid immunoaffinity chromatography compared with Blue Sepharose CL-6B affinity chromatography (135) 15
Cumme, G.A., Bublitz, R., Ehle, H. and Horn, A.
Determination of rate constants of monoclonal antibodies to enzymes (128) 241
Curtis, A., see Kinn, S.R. (134) 243
Custer, M.C. and Lotze, M.T.
A biologic assay for IL-4. Rapid fluorescence assay for IL-4 detection in supernatants and serum (128) 109
Cutilli, J.R., see Hassan, N.F. (130) 283
Cyong, J.-C., see Matsumoto, T. (129) 283
Cyong, J.-C., see Matsumoto, T. (135) 163

D

Daha, M.R., see Osawa, H. (132) 173
Dalesandro, M.R., see Skeath, J.B. (133) 39
Dalton, B.A., see Underwood, P.A. (127) 91
Dammacco, F., see Perosa, F. (128) 9
Danilov, S., see Stevens, J. (132) 263
Dardenne, M., see Safieh, B. (127) 255
Davidsson, B., see Nilsson, R. (135) 77
Davies, D.E. and Lloyd, J.B.
Quantitation of pinocytosis in human monocytes during in vitro maturation into macrophages (132) 111
Davies, H.Ff.S., see Cobbold, S.P. (127) 19
Davies, R.L., Wall, R.A. and Borriello, S.P.
Comparison of methods for the analysis of outer membrane antigens of *Neisseria meningitidis* by Western blotting (134) 215
Day, N.K., see Whitehurst, C.E. (131) 15
De Backer, W.A., see Van Overveld, F.J. (132) 145
Debbas, M.E., see Monestier, M. (127) 289
De Broe, M.E., see Hoylaerts, M.F. (126) 253
De Bueger, M.M., Van Els, C.A.C.M., Kempenaar, J., Ponec, M. and Goulmy, E.
A new sensitive assay for measurement of cell-mediated cytotoxicity to intact layers of cultured human keratinocytes (127) 117
Declercq, W., see Vandenabeele, P. (135) 25
Deen, C., Claassen, E., Gerritse, K., Zegers, N.D. and Boersma, W.J.A.
A novel carbodiimide coupling method for synthetic peptides. Enhanced anti-peptide antibody responses (129) 119
Deen, C., see Zegers, N. (130) 195
Degan, P., Montesano, R., Abbondandolo, A. and Montagnoli, G.
Time resolved fluoroimmunoassay of 7-methyl-2′-deoxyguanosine imidazole (ring open) (133) 119
De Grooth, B.G., see Radošević, K. (135) 81
De Haan, P., see Bruynzeel, I. (132) 51
De Hertogh, R., see Halflants, M. (134) 171
De Jong, J., see Meilof, J.F. (133) 215

Delaunay, T., Louahed, J. and Bazin, H.
Rat (and mouse) monoclonal antibodies. VIII. ELISA measurement of Ig production in mouse hybridoma culture supernatants (131) 33
Delcros, J.G., see Roch, A.M. (133) 1
Delforge, A., see Bron, D. (130) 209
Dellinger, J.D., see Tyler, J.W. (129) 221
Delpech, B., see Pettersson, M.L. (126) 95
Demangel, C., see Duval, D. (134) 177
De Martynoff, G., see Bron, D. (130) 209
Demura, M., see Sanekata, T. (127) 235
De Panfilis, G., see Manara, G.C. (128) 59
De Paoli, P., see Aubry, J.-P. (128) 39
Der-Balian, G.P., Gomez, B., Masino, R.S. and Parce, J.W.
A fluorometric method for determining the degree of biotinylation of proteins (126) 281
De Ruysscher, D., see Leenaerts, P.L. (130) 73
De Schepper, N., see Cogniaux, J. (128) 165
DeSmith, V.L., see English, P.A. (135) 285
De Vries, P., see Bayer, J.A. (132) 13
De Winkel, J.G.J.V., see Tuijnman, W.B. (127) 207
Dieli, M., see Cillari, E. (130) 57
Dighe, R.R., Murthy, G.S. and Moudgal, N.R.
Two simple and rapid methods to detect monoclonal antibodies with identical epitope specificities in a large population of monoclonal antibodies (131) 229
Dikov, M.M., see Kim, B.B. (131) 213
Dikova, E.B., see Kim, B.B. (131) 213
Dinjens, W.N.M., Van der Linden, E.P.M., Signet, C.M., Wijnen, J.T., Meera Khan, P., Ten Kate, J. and Bosman, F.T.
Solid-phase adsorption of antigens for efficient production of antibodies reactive with native and fixed tissue antigens (126) 175
Dintzis, H.M., see Greene, G. (129) 187
Dintzis, R.Z., see Greene, G. (129) 187
Dissous, C., see Chamekh, M. (134) 129
Ditzel, H., Erb, K., Nielsen, B., Borup-Christensen, P. and Jensenius, J.C.
A method for blocking antigen-independent binding of human IgM to frozen tissue sections when screening human hybridoma antibodies (133) 245
Djeu, J.Y., see Blanchard, D.K. (133) 285
Doinel, C., see Mansour, I. (127) 61
Douglas, S.D., see Hassan, N.F. (130) 283
Dow, J.A.T., see Kinn, S.R. (134) 243
Drees, N., see Prümmer, O. (130) 187
Dresser, D.W.
Fast plaque sizing and some applications of the technique in antibody feedback experiments (129) 1
Drexler, H.G., see Buschle, M. (133) 77
Drouet, M., see Jauberteau, M.O. (134) 107
Duncan, J.L., see Schwan, W.R. (126) 247
Dupont, H., Therasse, J., Pinon, J.M. and Binder, P.
Detection of staphylococcal enterotoxin B. A comparative study of ELISA and ELIFA systems (128) 287
Dupont, H., see Pinon, J.M. (131) 143
Durand, I., see Aubry, J.-P. (128) 39
Durkin, H.G., see Smith, M.C. (131) 55
Durocher, C.L., see Sharp, R.M. (126) 287
Duval, D., Demangel, C., Geahel, I., Blondeau, K. and Marcadet, A.
Comparison of various methods for monitoring hybridoma cell proliferation (134) 177
Dwek, R.A., see Sumar, N. (131) 127
Dyrberg, T., see Karlsen, A. (128) 151

E

Easterbrook-Smith, S.B., see Nethery, A. (126) 57
Easterbrook-Smith, S.B., see Nethery, A. (130) 287
Eby, R., see Phipps, D.C. (135) 121
Edens, R.E., Linhardt, R.J. and Weiler, J.M.
Immobilization of C3b with retention of functional activity (133) 67
Edge, J., see Sumar, N. (131) 127
Edwards, P.C., see Harrington, C.R. (134) 261
Eggers, A.E. and Michl, J.
Induction of anti-idiotypic antibodies to a myeloma protein linked covalently to muramyl dipeptide (133) 71
Egorov, A.M., see Kim, B.B. (131) 213
Ehle, H., see Cumme, G.A. (128) 241
Ehrat, M., see Warden, B.A. (131) 77
Eichmann, K., see Rodewald, H.-R. (132) 221
Ekström, J., see Morein, B. (128) 177
El Alaoui, S., see Thomas, V. (133) 13
Elbashir, M.I., Nilson, B.H.K., Åkesson, P., Björck, L. and Åkerström, B.
Antibody response in immunized rabbits measured with bacterial immunoglobulin-binding proteins (135) 171
Eldridge, J.H., see Taguchi, T. (128) 65
Elkins, K.L., Stashak, P.W. and Baker, P.J.
Analysis of the optimal conditions for the adsorption of type III pneumococcal polysaccharide to plastic for use in solid-phase ELISA (130) 123
Elliott, R.B., see Pilcher, C.C. (129) 111
Emlen, W., Jarusiripipat, P. and Burdick, G.
A new ELISA for the detection of double-stranded DNA antibodies (132) 91
Emmendörffer, A., Hecht, M., Lohmann-Matthes, M.-L. and Roesler, J.
A fast and easy method to determine the production of reactive oxygen intermediates by human and murine phagocytes using dihydrorhodamine 123 (131) 269
Endo, Y., see Kawaguchi, T. (127) 249
English, P.A., DeSmith, V.L., Yancey, E.P., Ringer, T.V. and Sanders, M.E.
The safety and utility of leukapheresis of normal donors for obtaining products for immunologic research (135) 285
Epstein, J.S., see Liang, C.-M. (132) 57

Erb, K., see Ditzel, H. (133) 245
Erfle, V., see Schetters, H. (134) 113
Espevik, T., see Liabakk, N.-B. (134) 253
Esteban, C., see Torres, J.M. (134) 163
Evangelatos, G.P., see Kakabakos, S.E. (127) 147
Evans, S.W., see Banks, R.E. (126) 13

F

Fabry, M., see Schliebs, B. (126) 169
Fache, M.P., see Lepault, F. (128) 249
Facon, B., see Chamekh, M. (134) 129
Fanburg, B.L., see Stevens, J. (132) 263
Fanti, F., see Polonelli, L. (132) 205
Farber, C.M., see Cambiaso, C.L. (129) 9
Fasy, T.M., see Monestier, M. (127) 289
Fellowes, R. and Lehner, T.
An investigation of the T cell requirements of in vitro antibody forming B cells detected by the ELISPOT assay and a comparison with antibody synthesis (132) 165
Felzmann, T., see Maurer, D. (135) 43
Femmel, M.B., see Olson, J.D. (134) 71
Ferguson, M.A., see Skeath, J.B. (133) 39
Ferrari, C., see Manara, G.C. (128) 59
Ferrari, M., Fornasiero, M.C. and Isetta, A.M.
MTT colorimetric assay for testing macrophage cytotoxic activity in vitro (131) 165
Ferrone, S., see Perosa, F. (128) 9
Ferrone, S., see Temponi, M. (126) 223
Fert, V. and Baret, A.
Preparation and characterization of xanthine oxidase-antibody and -hapten conjugates for use in sensitive chemiluminescent immunoassays (131) 237
Festin, R., Björkland, A. and Tötterman, T.H.
Single laser flow cytometric detection of lymphocytes binding three antibodies labelled with fluorescein, phycoerythrin and a novel tandem fluorochrome conjugate (126) 69
Fickling, S.A., Hampton, S.M., Teale, D., Middleton, B.A. and Marks, V.
Development of an enzyme-linked immunosorbent assay for caffeine (129) 159
Fiers, W., see Vandenabeele, P. (135) 25
Filion, L.G., Izaguirre, C.A., Garber, G.E., Huebsh, L. and Aye, M.T.
Detection of surface and cytoplasmic CD4 on blood monocytes from normal and HIV-1 infected individuals (135) 59
Finkelstein, R.A., see Kazemi, M. (128) 143
Firth, G.B., see Frost, S.J. (134) 207
Fischer, E.A., see Lutz, H.U. (129) 211
Fischer, E.G., Stingl, A. and Kirkpatrick, C.J.
Migration assay for endothelial cells in multiwells. Application to studies on the effect of opioids (128) 235
Fischman, A.J., see Morrel, E.M. (130) 39
Fisker, S., Kudahl, K. and Sonne, O.
Isolation of rat peritoneal mononuclear and polymorphonuclear leucocytes on discontinuous gradients of Nycodenz (133) 31
Fleischmann, Jr., W.R., see Kotnik, V. (129) 23
Fleisher, J.H., see Lung, C.C. (128) 127
Fletcher, J., see Haynes, A.P. (135) 155
Fletcher, S.M., see Chapman, V. (131) 91
Flower, R.J., see Smith, S.F. (131) 119
Ford, T.C. and Rickwood, D.
A new one-step method for the isolation of human mononuclear cells (134) 237
Fornasiero, M.C., see Ferrari, M. (131) 165
Forsyth, K.D. and Levinsky, R.J.
Preparative procedures of cooling and re-warming increase leukocyte integrin expression and function on neutrophils (128) 159
Foung, S., Perkins, S., Kafadar, K., Gessner, P. and Zimmermann, U.
Development of microfusion techniques to generate human hybridomas (134) 35
Foung, S.K.H., see Zimmermann, U. (134) 43
Fradelizi, D., see Cavarec, L. (130) 251
Frazer, I.H., see Mundlos, S. (127) 279
Fricke, H., see Wood, W.G. (131) 151
Friddell, C.D., see Yannelli, J.R. (130) 91
Friend, P.J., see Cobbold, S.P. (127) 19
Frindel, E., see Lepault, F. (128) 249
Frost, S.J., Firth, G.B. and Chakraborty, J.
Antibody-coated liposomes as a particulate solid phase for immunoassays. Measurement of urinary 'micro-albumin' (134) 207
Fugger, L., Morling, N., Ryder, L.P., Ødum, N. and Svejgaard, A.
Technical aspects of typing for HLA-DP alleles using allele-specific DNA in vitro amplification and sequence-specific oligonucleotide probes. Detection of single base mismatches (129) 175
Fujii, N., see Takeyama, M. (130) 217
Fujinaga, K., see Sanekata, T. (127) 235
Fujinaga, S., see Tomiyama, T. (131) 249
Fujino, M., see Suzuki, N. (127) 165
Fujita, T., see Ohi, H. (131) 71
Fujiwara, K., Matsumoto, N., Kitagawa, T. and Inouye, K.
The use of *N*-(aminobenzoyloxy)succinimide as a two-level heterobifunctional agent for the preparation of hapten-protein conjugates. Daunomycin as a model hapten with an amino group (134) 227
Fukuda, K., see Seino, J. (128) 101
Fukuda, M., see Tamaki, Y. (128) 75
Fürer, E., see Bruderer, U. (133) 263
Furlan, M., see Wuillemin, W.A. (130) 133
Furukawa, K. and Sahasrabuddhe, C.G.
A novel method of human B cell activation by liposomes coated with Fab′ fragments of anti-IgM (131) 105
Fusconi, M., Cassani, F., Zauli, D., Lenzi, M., Ballardini, G., Volta, U. and Bianchi, F.B.
Anti-actin antibodies: a new test for an old problem (130) 1

G

Gabel, D., see Pettersson, M.L. (126) 95
Galfre, G., see Andrew, D.P. (134) 87
Gamkrelidze, A. and Björkstén, B.
The determination of IgE synthesis in vitro. Methodological aspects (130) 9
Garber, G.E., see Filion, L.G. (135) 59
Garnett, M., see Haynes, A.P. (135) 155
Garritsen, H.S.P., see Radošević, K. (135) 81
Gattner, H., see Schliebs, B. (126) 169
Gauci, M., Stone, B.F. and Thong, Y.H.
An immunoblot technique for identification of allergens of the Australian paralysis tick *Ixodes holocyclus* (126) 51
Gavrilova, E.M., see Kim, B.B. (131) 213
Geahel, I., see Duval, D. (134) 177
Gearing, A.J.H., see Wadhwa, M. (128) 211
Gengozian, N., see Whitehurst, C.E. (131) 15
Gerloni, M., see Polonelli, L. (132) 205
Gerritse, K., see Deen, C. (129) 119
Gerritse, K., see Zegers, N. (130) 195
Gershon, H., see Sheiban, E. (135) 139
Gessner, P., see Foung, S. (134) 35
Gessner, P., see Zimmermann, U. (134) 43
Geysen, H.M., see Maeji, N.J. (134) 23
Gezelter, S., see Crowley, M.T. (133) 55
Gherardi, E., Pannell, R. and Milstein, C.
A single-step procedure for cloning and selection of antibody-secreting hybridomas (126) 61
Ghetie, M.-A., see Ghetie, V. (126) 135
Ghetie, V., Till, M.A., Ghetie, M.-A., Uhr, J.W. and Vitetta, E.S.
Large scale preparation of an immunoconjugate constructed with human recombinant CD4 and deglycosylated ricin A chain (126) 135
Ghosh, P., see Kongtawelert, P. (126) 39
Giaever, I., see Kowolenko, M. (127) 71
Giese, R.W., see Warden, B.A. (131) 77
Gignac, S.M., see Buschle, M. (133) 77
Gilboa, A., see Medcalf, E.A. (129) 97
Gilligan, M.G., see Ratcliffe, W.A. (127) 109
Girard, N., see Pettersson, M.L. (126) 95
Glass, E.J. and Spooner, R.L.
Generation and characterisation of bovine antigen-specific T cell lines (128) 267
Godolphin, J.L., see Smith, S.F. (131) 119
Gohd, R., see Robinson, J.E. (132) 63
Goldblatt, D., Seymour, N.D., Levinsky, R.J. and Turner, M.W.
An enzyme-linked immunosorbent assay for the determination of human IgG subclass antibodies directed against *Branhamella catarrhalis* (128) 219
Goltz, M., see Olson, J.D. (134) 71
Gomez, B., see Der-Balian, G.P. (126) 281
Good, R.W., see Yannelli, J.R. (130) 91
Goodman, S.N., see Gore, S.D. (132) 275
Goossens, P.L., Jouin, H., Marchal, G. and Milon, G.
Isolation and flow cytometric analysis of the free lymphomyeloid cells present in murine liver (132) 137
Gore, S.D., Kastan, M.B., Goodman, S.N. and Civin, C.I.
Detection of minimal residual T cell acute lymphoblastic leukemia by flow cytometry (132) 275
Gorman, E.G., see Medcalf, E.A. (129) 97
Gottsleben, W., see Oppermann, M. (133) 181
Götze, O., see Oppermann, M. (133) 181
Götze, O., see Würzner, R. (126) 231
Goulding, N.J., see Smith, S.F. (131) 119
Goulmy, E., see De Bueger, M.M. (127) 117
Gourlet, P., Svoboda, M., Cauvin, A. and Christophe, J.
The sensitivity of dot immunoassay for the peptides helodermin, histidine-isoleucinamide (PHI) and histidine-methioninamide (PHM) increases after peptide cross-linking to proteins prefixed on nitrocellulose (133) 151
Greenberg, P.D., see Riddell, S.R. (128) 189
Greene, G., Hodous, J., Dintzis, R.Z. and Dintzis, H.M.
Modification, optimization and simplification of the spot ELISA technique for the enumeration of cells secreting anti-hapten antibodies (129) 187
Greenwood, B., see Hickling, K.C. (127) 285
Greffard, A., see Lambré, C.R. (135) 49
Greve, J., see Radošević, K. (135) 81
Grunow, R., see Porstmann, T. (127) 1
Gu, Y., see Xu, R.-j. (135) 225
Guidinger, P., see Wolf-Rogers, J. (133) 191
Gulle, H., Schoel, B. and Kaufmann, S.H.E.
Direct blotting with viable cells of protein mixtures separated by two-dimensional gel electrophoresis (133) 253
Gumperz, J., see Olson, J.D. (134) 71
Guz, A., see Smith, S.F. (131) 119
Gyhrs, A., see Lisse, I.M. (129) 49
Gyss, C., see Huet, D. (135) 33
Gyure, L.A. and Hall, J.G.
A quick method for obtaining lymph-borne dendritic macrophages from rats (131) 49

H

Haas, H., see Nooij, F.J.M. (134) 273
Hadding, U., see Blazek, R. (131) 203
Hagiwara, H. and Nagao, J.
Preferential generation of IgG-producing human hybridomas against human tumor cells (135) 263
Halflants, M., Tasiaux, N., Van Krieken, L., De Hertogh, R. and Collet-Cassart, D.
Particle counting immunoassay of choriogonadotropin using monoclonal antibodies (134) 171
Hall, J.G., see Gyure, L.A. (131) 49

Hammar, E., Berglund, A., Hedin, A., Norrman, A., Rustas, K., Ytterström, U. and Åkerblom, E.
An immunoassay for histamine based on monoclonal antibodies (128) 51
Hampton, S.M., see Fickling, S.A. (129) 159
Hanausek, M., see Coghlan, L.G. (129) 135
Handschack, W., see Zacharias, U. (130) 81
Hanrahan, Jr., L.R., see Schroeder, J.T. (133) 269
Hansel, T.T., Pound, J.D. and Thompson, R.A.
Isolation of eosinophils from human blood (127) 153
Hansen, M.B., Ross, C. and Berg, K.
A sensitive antiviral neutralization bioassay for measuring antibodies to interferons (127) 241
Haque, A., see Chamekh, M. (134) 129
Hara, K., see Choi, N.-H. (131) 159
Harboe, M., see Wiker, H.G. (132) 127
Hardman, N., see Zwickl, M. (130) 49
Harley, C.B., see McKenzie, R.C. (133) 99
Harrington, C.R., Edwards, P.C. and Wischik, C.M.
Competitive ELISA for the measurement of tau protein in Alzheimer's disease (134) 261
Harrison, R.O., see Bunch, D.S. (132) 247
Hasegawa, N. and Ohno, T.
Mouse restrainer for collection of ascitic fluid including monoclonal antibody (126) 295
Hashimoto, H., see Takasaki, Y. (132) 227
Hassan, N.F., Cutilli, J.R. and Douglas, S.D.
Isolation of highly purified human blood monocytes for in vitro HIV-1 infection studies of monocyte/macrophages (130) 283
Hasselkus-Light, C.S., see Young, J.D.-E. (128) 133
Hatano, M., see Ohi, H. (131) 71
Haugland, R., see Ryan, T.C. (130) 223
Hay, F.C., see Sumar, N. (131) 127
Hayakawa, T., see Kodama, S. (127) 103
Haynes, A.P., Fletcher, J., Garnett, M. and Robins, A.
A novel flow cytometric method for measuring protein digestion within the phagocytic vacuole of polymorphonuclear neutrophils (135) 155
Heath, D.A., see Ratcliffe, W.A. (127) 109
Hecht, M., see Emmendörffer, A. (131) 269
Hedin, A., see Hammar, E. (128) 51
Hehlmann, R., see Schetters, H. (134) 113
Heimgartner, U., Kozulić, B. and Mosbach, K.
Polyacrylic polyhydrazides as novel reagents for detection of antibodies in immunoblotting assays (132) 239
Henry, R.V., see Cumber, A.J. (135) 15
Henry, S., see Liang, C.-M. (132) 57
Herweijer, H., see Bayer, J.A. (132) 13
Heslop, B.F., see Baird, M.A. (128) 293
Hetherington, S.
Solid phase disruption of fluid phase equilibrium in affinity assays with ELISA (131) 195
Heusser, C., see Smith, M.C. (131) 55
Heymanns, J., see Pankow, W. (129) 127
Hickling, K.C., Kerry, P.J. and Greenwood, B.
The demonstration of HLA-D proteins by an amplified alkaline phosphatase/anti-alkaline phosphatase detection system in wax-processed human lung tissue fixed in 10% formol saline (127) 285
Higashitani, K., see Kondo, A. (135) 111
Hijmans, W., see Lagaay, A.M. (133) 235
Hirose, S.-I., see Takasaki, Y. (132) 227
Hirschfeld, U., see Willführ, K.U. (130) 201
Hodous, J., see Greene, G. (129) 187
Hoff, R., see Weiblen, B.J. (126) 199
Hoffman, W.L., Kelly, P.J. and Larrumbide, M.
Characterization of immune complexes by isoelectric focusing in agarose gels (132) 103
Hohmann, A.W., see Norazmi, M.-N. (131) 223
Holm, A., see Lauritzen, E. (131) 257
Holm, A., see Søndergård-Andersen, J. (131) 99
Holobaugh, P.A. and McChesney, D.C.
Effect of anticoagulants and heat on the detection of tumor necrosis factor in murine blood (135) 95
Holton, D., see Robinson, J.E. (132) 63
Hopkins, S.J. and Humphreys, M.
Bioassay of interleukin-1 in serum and plasma following removal of inhibitory activity with polyethylene glycol (133) 127
Horak, E., see Lewis, C.E. (127) 51
Horal, P., see Cogniaux, J. (128) 165
Horigome, I., see Seino, J. (128) 101
Horn, A., see Cumme, G.A. (128) 241
Horton, J.K., James, J.E., Swinburne, S. and O'Sullivan, M.J.
Novel and rapid immunofiltration assays with enhanced chemiluminescence detection (135) 289
Horton, S., see Yannelli, J.R. (130) 91
Hosaka, T., see Ida, N. (133) 279
Hosoi, K., see Ida, N. (133) 279
Houde, M. and Arora, D.J.S.
Application of the 'area under the curve' method to measure the tumor necrosis factor activity (132) 297
Hoylaerts, M.F., Bollen, A. and De Broe, M.E.
The application of enzyme kinetics to the determination of dissociation constants for antigen-antibody interactions in solution (126) 253
Huang, M.C., Seyer, J.M. and Kang, A.H.
Comparison and accuracy of methodologies employed for analysis of hydropathy, flexibility and secondary structure of proteins (129) 77
Huebsh, L., see Filion, L.G. (135) 59
Huet, D., Gyss, C. and Bourdillon, C.
A heterogeneous immunoassay performed on a rotating carbon disk electrode with electrocatalytic detection. Mass transfer control of the capture of an enterotoxin (135) 33
Hughes, S., see Ratcliffe, W.A. (127) 109
Humphreys, M., see Hopkins, S.J. (133) 127
Hutchens, T.W., Magnuson, J.S. and Yip, T.-T.
Secretory IgA, IgG, and IgM immunoglobulins isolated simultaneously from colostral whey by selective thiophilic adsorption (128) 89

I

Ida, N., Sakurai, S., Hosaka, T., Hosoi, K., Kunitomo, T., Matsuura, Y. and Kohase, M.
An enzyme-linked immunosorbent assay for the measurement of human interleukin-6 (133) 279

Igarashi, M. and Bando, Y.
Enhanced efficiency of cell hybridization by neuraminidase treatment (135) 91

Iijima, K., see Matsumoto, T. (135) 163

Iino, S., see Kawaguchi, T. (127) 249

Ikawa, M. and Shozen, Y.
Quantification of acute phase proteins in rat serum and in the supernatants of a cultured rat hepatoma cell line and cultured primary hepatocytes by an enzyme-linked immunosorbent assay (134) 101

Inaba, K., see Crowley, M.T. (133) 55

Inagaki, H., Katoh, M., Kurosawa-Ohsawa, K. and Tanaka, S.
A new sandwich enzyme-linked immunosorbent assay (ELISA) for transforming growth factor α (TGFα) based upon conformational modification by antibody binding (128) 27

Ince, C., Beekman, R.E. and Verschragen, G.
A micro-perfusion chamber for single-cell fluorescence measurements (128) 227

Inouye, K., see Fujiwara, K. (134) 227

Irie, R.F., see Saito, H. (134) 121

Isaksson, B., see Rasmussen, N. (127) 139

Isenberg, D.A., see Sumar, N. (131) 127

Isetta, A.M., see Ferrari, M. (131) 165

Ishikawa, M., see Kawaguchi, T. (127) 249

Ishizaka, K., see Carini, C. (127) 221

Ithakissios, D.S., see Kakabakos, S.E. (127) 147

Ito, M., see Moran, T.M. (129) 199

Itoh, F., see Kondo, A. (135) 111

Iwata, H., see Kodama, S. (127) 103

Iwata, K., see Kodama, S. (127) 103

Iwata, M., see Carini, C. (127) 221

Izaguirre, C.A., see Filion, L.G. (135) 59

J

Jackson, M.C., see Vince, G.S. (132) 181

Jaffe, R.I., see Ruegg, C.L. (135) 101

Jahn, S., see Porstmann, T. (127) 1

James, J.E., see Horton, J.K. (135) 289

Janeway, Jr., C.A., see Portolés, P. (129) 105

Janssens, A.R., see Mulder, T.P.J. (130) 157

Janssens, J., see Mareschal, J.C. (131) 137

Jansze, M., see Verheul, A.F.M. (126) 79

Jarusiripipat, P., see Emlen, W. (132) 91

Jarvis, L.R., see Norazmi, M.-N. (131) 223

Jauberteau, M.O., Cook, J.M., Drouet, M. and Preud'homme, J.L.
Affinity immunoblotting detection of serum monoclonal immunoglobulins reactive with glycosphingolipids (134) 107

Jenkinson, E.J., see Murdoch, A. (132) 45

Jensenius, J.C., see Ditzel, H. (133) 245

Jiang, F.N., Jiang, S., Liu, D., Richter, A. and Levy, J.G.
Development of technology for linking photosensitizers to a model monoclonal antibody (134) 139

Jiang, S., Ojcius, D.M. and Young, J.D.-E.
Perforin binding to cells and lipid membranes determined by a simple competition assay (126) 29

Jiang, S., see Jiang, F.N. (134) 139

Jiang, S., see Young, J.D.-E. (128) 133

Johansson, A., see Ljunghusen, O. (128) 1

Johnson, G.D., see Murdoch, A. (132) 45

Johnston, D.A., Knight, A.M., Naylor, B.A., Wedderburn, N. and Mitchell, G.H.
Monoclonal antibodies from Epstein-Barr virus-transformed lymphocytes of common marmosets (*Callithrix jacchus*) immune to malaria (127) 187

Jol-Van der Zijde, C.M., see Nooij, F.J.M. (134) 273

Jones, B.M.
Evaluation of CD5 and other differentiation antigens on human immunoglobulin-secreting cells using a combination of immunobead rosetting and reverse haemolytic plaque formation (132) 119

Jones, M.N., see Chapman, V. (131) 91

Jones, O.T.G., see Robertson, A.K. (133) 175

Jones, S.L., Cox, J.C. and Pearson, J.E.
Increased monoclonal antibody ascites production in mice primed with Freund's incomplete adjuvant (129) 227

Jouin, H., see Goossens, P.L. (132) 137

Judd, R.C., see Pettit, R.K. (129) 15

Jungi, T.W.
A turbidimetric assay in an ELISA reader for the determination of mononuclear phagocyte procoagulant activity (133) 21

Justus, C.W.E., Müller, H.P., Simon, M.M. and Kramer, M.D.
Quantification of free α_2-macroglobulin and α_2-macroglobulin-protease complexes by a novel ELISA system based on streptococcal α_2-macroglobulin receptors (126) 103

K

Kabat, E.A., see Black, A. (127) 123

Kafadar, K., see Foung, S. (134) 35

Kakabakos, S.E., Evangelatos, G.P. and Ithakissios, D.S.
Immobilization of immunoglobulins on ethanol-treated ABS beads for radioimmunoassays (127) 147
Kang, A.H., see Huang, M.C. (129) 77
Kantor, N.L., see Brickman, C.M. (132) 157
Karawajew, L., Rudchenko, S., Wlasik, T., Trakht, I. and Rakitskaya, V.
Flow sorting of hybrid hybridomas using the DNA stain Hoechst 33342 (129) 277
Karlsen, A., Lernmark, Å., Kofod, H. and Dyrberg, T.
A novel affinity purification method to isolate peptide specific antibodies (128) 151
Kastan, M.B., see Gore, S.D. (132) 275
Katoh, M., see Inagaki, H. (128) 27
Katoh, S., see Sada, E. (130) 33
Kaufmann, S.H.E., see Gulle, H. (133) 253
Kawaguchi, T., Suzuki, K.-i., Matsuda, Y., Nishiura, T., Uda, T., Ono, M., Sekiya, C., Ishikawa, M., Iino, S., Endo, Y. and Taniguchi, N.
Serum-manganese-superoxide dismutase: normal values and increased levels in patients with acute myocardial infarction and several malignant diseases determined by an enzyme-linked immunosorbent assay using a monoclonal antibody (127) 249
Kawano, T., see Kondo, A. (135) 111
Kayano, T., Motoda, R., Usui, M., Ando, S., Matuhasi, T. and Kurimoto, M.
Growth of rat-mouse hybridoma cells in immunosuppressed hamsters. An easy and effective method to prepare monoclonal antibodies from heterohybridoma cell lines (130) 25
Kaye, P.M., see Kiderlen, A.F. (127) 11
Kazemi, M. and Finkelstein, R.A.
Checkerboard immunoblotting (CBIB): an efficient, rapid, and sensitive method of assaying multiple antigen/antibody cross-reactivities (128) 143
Keese, C.R., see Kowolenko, M. (127) 71
Kelly, P.J., see Hoffman, W.L. (132) 103
Kempenaar, J., see De Bueger, M.M. (127) 117
Kendall, M.D., see Safieh, B. (127) 255
Kerp, L., see Schliebs, B. (126) 169
Kerry, P.J., see Hickling, K.C. (127) 285
Khalaf, A.-N., see Schliebs, B. (126) 169
Khalil, O.S., see Wolf-Rogers, J. (133) 191
Kiderlen, A.F. and Kaye, P.M.
A modified colorimetric assay of macrophage activation for intracellular cytotoxicity against *Leishmania* parasites (127) 11
Kim, B.B., Dikova, E.B., Sheller, U., Dikov, M.M., Gavrilova, E.M. and Egorov, A.M.
Evaluation of dissociation constants of antigen-antibody complexes by ELISA (131) 213
Kim, B.K., see Kim, W.B. (126) 119
Kim, B.M., see Kim, W.B. (126) 119
Kim, W.B., Kim, B.M., Choi, E.C. and Kim, B.K.
Immunoaffinity purification of hepatitis B surface antigen using anti-idiotype as a specific eluent (126) 119
Kimura, G., see Murata, M. (129) 89
Kimura, S., see Suzuki, N. (127) 165
King, C.L., Thyphronitis, G. and Nutman, T.B.
Enumeration of IgE secreting B cells. A filter spot-ELISA (132) 37
Kinn, S.R., Curtis, A. and Dow, J.A.T.
Detection and quantitation of HLA class II molecules on keratinocytes by quantitative immunofluorescence (134) 243
Kinnel, G.C., see Skeath, J.B. (133) 39
Kinnon, C., see O'Reilly, M.-A.J. (131) 1
Kinoshita, Y., see Seino, J. (128) 101
Kirkpatrick, C.J., see Fischer, E.G. (128) 235
Kishida, T., see Tamaki, Y. (128) 75
Kitada, C., see Suzuki, N. (127) 165
Kitagawa, T., see Fujiwara, K. (134) 227
Kitagawa, T., see Tanimori, H. (129) 233
Kiyono, H., see Taguchi, T. (128) 65
Kleitke, C., see Zacharias, U. (130) 81
Knapp, W., see Maurer, D. (135) 43
Knazek, R.A., Wu, Y.-W., Aebersold, P.M. and Rosenberg, S.A.
Culture of human tumor infiltrating lymphocytes in hollow fiber bioreactors (127) 29
Knight, A.M., see Johnston, D.A. (127) 187
Ko, K.H., see Lim, P.L. (135) 9
Kodama, A., see Takasaki, Y. (132) 227
Kodama, S., Iwata, K., Iwata, H., Yamashita, K. and Hayakawa, T.
Rapid one-step sandwich enzyme immunoassay for tissue inhibitor of metalloproteinases. An application for rheumatoid arthritis serum and plasma (127) 103
Kofod, H., see Karlsen, A. (128) 151
Kohase, M., see Ida, N. (133) 279
Kondo, A., Kawano, T., Itoh, F. and Higashitani, K.
Immunological agglutination kinetics of latex particles with physically adsorbed antigens (135) 111
Kongtawelert, P. and Ghosh, P.
A monoclonal antibody that recognizes 2,3-, 2,6-, and 4,6-disulphate ester ring substitution in pyranose-containing polysaccharides. Its production, characterization and application for the quantitation of pentosan polysulphate, dextran sulphate, glycosaminoglycan polysulphate and chondroitin sulphate E (126) 39
Konwalinka, G., see Wiedermann, C.J. (128) 147
Koornneef, I., see Van den Eijnden-Van Raaij, A.J.M. (133) 107
Köster, B., see Ruegg, C.L. (135) 101
Koster, M., see Phipps, D.C. (135) 121
Kotnik, V. and Fleischmann, Jr., W.R.
A simple and rapid method to determine hematopoietic growth factor activity (129) 23
Kotts, C.E., see Sias, P.E. (132) 73
Kowolenko, M., Keese, C.R., Lawrence, D.A. and Giaever, I.
Measurement of macrophage adherence and spreading with weak electric fields (127) 71
Kozulić, B., see Heimgartner, U. (132) 239
Kraaijeveld, C.A., see Cornelissen, J.J. (130) 141
Kraal, G., see Bruynzeel, I. (132) 51
Krafft, U., see Blazek, R. (131) 203
Kramer, M.D., Müller-Bardorff, M., Simon, M.M., Tilgen, W., Schickel, E. and Petzoldt, D.

Measurement of free human leukocyte elastase and human leukocyte elastase/α_1 proteinase inhibitor complexes by an enzyme-linked immunosorbent assay (131) 41
Kramer, M.D., see Justus, C.W.E. (126) 103
Krutzsch, H.C., see Wacher, M.P. (126) 239
Kudahl, K., see Fisker, S. (133) 31
Kudo, K., see Seino, J. (128) 101
Kunitomo, T., see Ida, N. (133) 279
Kupsch, J., see Rodewald, H.-R. (132) 221
Kurimoto, M., see Kayano, T. (130) 25
Kurosawa-Ohsawa, K., see Inagaki, H. (128) 27
Kurts, C., see Oppermann, M. (133) 181
Kusterbeck, A.W., Wemhoff, G.A., Charles, P.T., Yeager, D.A., Bredehorst, R., Vogel, C.-W. and Ligler, F.S.
A continuous flow immunoassay for rapid and sensitive detection of small molecules (135) 191

L

Lagaay, A.M., Bosman, C.B., Van der Keur, M., Ligthart, G.J., Schuit, H.R.E., Tanke, H.J. and Hijmans, W.
Gating of the so-called 'lymphocytic' cell population for the quantification of natural killer cells ($CD16^+$) by flow cytometry causes loss of CD16 positive cells (133) 235
Lagneaux, L., see Bron, D. (130) 209
Lambré, C.R., Terzidis, H., Greffard, A. and Webster, R.G.
Measurement of anti-influenza neuraminidase antibody using a peroxidase-linked lectin and microtitre plates coated with natural substrates (135) 49
Lamche, H.R. and Adolf, G.R.
Highly sensitive enzyme immunoassays for antibodies to human tumor necrosis factor (TNF-α) and lymphotoxin (TNF-β) (131) 283
Lamche, H.R., see Adolf, G.R. (130) 177
Lamers, C.B.H.W., see Mulder, T.P.J. (130) 157
Lämmle, B., see Wuillemin, W.A. (130) 133
Lang, A.B., see Bruderer, U. (133) 263
Langhorne, J., see Rodewald, H.-R. (132) 221
Lannon, B., see Carroll, K. (129) 71
Lanzillo, J.J., see Stevens, J. (132) 263
Larrumbide, M., see Hoffman, W.L. (132) 103
Larsson, A.
An ELISA procedure for the determination of protein G-binding antibodies (135) 273
Laurell, A.-B., Mårtensson, U. and Sjöholm, A.G.
Trimer and tetramer complexes containing C1 esterase inhibitor, C1r and C1s, in serum and synovial fluid of patients with rheumatic disease (129) 55
Lauritzen, E., Masson, M., Rubin, I. and Holm, A.
Dot immunobinding and immunoblotting of picogram and nanogram quantities of small peptides on activated nitrocellulose (131) 257
Lauritzen, E., see Søndergård-Andersen, J. (131) 99
Lavoix, A., see Schneider, Y.-J. (129) 251
Lawrence, D.A., see Kowolenko, M. (127) 71
Learn, D.B., see Bozeman, P.M. (126) 125
Leenaerts, P.L., De Ruysscher, D., Vandeputte, M. and Waer, M.
Measurement of alloantibody by flow cytometry (130) 73
Leenaerts, P.L., Vandeputte, M. and Waer, M.
Determination of mixed chimerism by a simple flow cytometry method (130) 163
Lehner, T., see Fellowes, R. (132) 165
Lemieux, R., see St. Laurent, M. (133) 145
Lenzi, M., see Fusconi, M. (130) 1
Lepan, H., see Pinon, J.M. (131) 143
Lepault, F., Fache, M.P. and Frindel, E.
A one step cell sorting procedure for the enrichment of murine bone marrow CFU-S which is independent of their proliferative activity (128) 249
Lerner, R.A., see Persson, M.A.A. (127) 39
Lernmark, Å., see Karlsen, A. (128) 151
Leslie, R.G.Q., see Christensen, J. (132) 211
Lesse, A.J., Campagnari, A.A., Bittner, W.E. and Apicella, M.A.
Increased resolution of lipopolysaccharides and lipooligosaccharides utilizing tricine-sodium dodecyl sulfate-polyacrylamide gel electrophoresis (126) 109
Levine, A.D., see Claassen, J.L. (126) 213
Levinsky, R.J., see Forsyth, K.D. (128) 159
Levinsky, R.J., see Goldblatt, D. (128) 219
Levy, J.G., see Jiang, F.N. (134) 139
Levy, R.B., see Richardson, J.C. (127) 79
Lewis, C.E., McCarthy, S.P., Richards, P.S., Lorenzen, J., Horak, E. and McGee, J.O'D.
Measurement of cytokine release by human cells. A quantitative analysis at the single cell level using the reverse haemolytic plaque assay (127) 51
Liabakk, N.-B., Nustad, K. and Espevik, T.
A rapid and sensitive immunoassay for tumor necrosis factor using magnetic monodisperse polymer particles (134) 253
Liang, C.-M., Henry, S., Liang, S.-M. and Epstein, J.S.
An anti-p24 monoclonal antibody shows cross-reactivity with multiple HIV-1 proteins (132) 57
Liang, S.-M., see Liang, C.-M. (132) 57
Libert, C., see Vandenabeele, P. (135) 25
Liddell, J.E., see Bardsley, D.W. (129) 41
Ligler, F.S., see Kusterbeck, A.W. (135) 191
Ligthart, G.J., see Lagaay, A.M. (133) 235
Lim, P.-L.
A one-step two-particle latex immunoassay for the detection of *Salmonella typhi* endotoxin (135) 257
Lim, P.L. and Ko, K.H.
A tube latex test based on colour separation for the detection of IgM antibodies to either one of two different microorganisms (135) 9
Limet, J.N., see Mareschal, J.C. (131) 137
Lind, K., see Søndergård-Andersen, J. (131) 99
Lindberg, A.A., see Luk, J.M.C. (129) 243
Lindmo, T., Børmer, O., Ugelstad, J. and Nustad, K.
Immunometric assay by flow cytometry using mixtures of two particle types of different affinity (126) 183

Linhardt, R.J., see Edens, R.E. (133) 67
Liotta, L.A., see Wacher, M.P. (126) 239
Lisse, I.M., Whittle, H., Aaby, P., Normark, M., Gyhrs, A. and Ryder, L.P.
Labelling of T cell subsets under field conditions in tropical countries. Adaptation of the immuno-alkaline phosphatase staining method for blood smears (129) 49
Liu, C.-C., see Young, J.D.-E. (128) 133
Liu, D., see Jiang, F.N. (134) 139
Liu, J., see Robinson, J.E. (132) 63
Liu, R., see Scuderi, P. (128) 119
Ljunghusen, O., Johansson, A. and Skogh, T.
Hepatic immune complex elimination studied with FITC-labelled antigen (128) 1
Lloyd, J.B., see Davies, D.E. (132) 111
Lo, W.-C.J., Miller, M.A. and Montelaro, R.C.
Analysis of antibody reactivities in ELISA using protein blots as antigen substrates: S-ELISA (128) 17
Lohmann-Matthes, M.-L., see Emmendörffer, A. (131) 269
Lorenzen, J., see Lewis, C.E. (127) 51
Löster, K., see Zacharias, U. (130) 81
Lotze, M.T., see Custer, M.C. (128) 109
Louahed, J., see Delaunay, T. (131) 33
Loughnan, M.S., see Zola, H. (135) 247
Loughrey, H.C., Choi, L.S., Cullis, P.R. and Bally, M.B.
Optimized procedures for the coupling of proteins to liposomes (132) 25
Lövgren, K., see Morein, B. (128) 177
Lowell, G.H., see Ruegg, C.L. (135) 101
Lozzi, L., see Santucci, A. (127) 131
Luescher, I.F. and Unanue, E.R.
Purification and photoaffinity labeling of the I-A^k histocompatibility molecule (135) 233
Luk, J.M.C., Nnalue, N.A. and Lindberg, A.A.
Efficient production of mouse and rat monoclonal antibodies against the O antigens of *Salmonella* serogroup C_1, using LPS-coated bacteria as immunogen (129) 243
Lung, C.C., Fleisher, J.H., Meinke, G. and Pinnas, J.L.
Immunochemical properties of malondialdehyde-protein adducts (128) 127
Lutz, H.U., Stammler, P. and Fischer, E.A.
Covalent binding of detergent-solubilized membrane glycoproteins to 'Chemobond' plates for ELISA (129) 211
Luxton, R.W. and Thompson, E.J.
Affinity distributions of antigen-specific IgG in patients with multiple sclerosis and in patients with viral encephalitis (131) 277

M

Mackay, I.R., see Mundlos, S. (127) 279
Macon, K., see Pascual, M. (127) 263
Madore, D.V., see Phipps, D.C. (135) 121
Madsen, G., see Wolf-Rogers, J. (133) 191
Maeji, N.J., Bray, A.M. and Geysen, H.M.
Multi-rod peptide synthesis strategy for T cell determinant analysis (134) 23
Magnuson, J.S., see Hutchens, T.W. (128) 89
Maleckar, J.R., see Yannelli, J.R. (130) 91
Maley, D.T. and Simon, P.
Cytotoxicity assays using cryopreserved target cells prelabeled with the fluorescent marker europium (134) 61
Manara, G.C., Ferrari, C., Torresani, C., Sansoni, P. and De Panfilis, G.
The immunogold-silver staining approach in the study of lymphocyte subpopulations in transmission electron microscopy (128) 59
Mansour, I., Bourin, P., Rouger, P. and Doinel, C.
A rapid technique for lymphocyte preparation prior to two-color immunofluorescence analysis of lymphocyte subsets using flow cytometry. Comparison with density gradient separation (127) 61
Mantzioris, B.X., see Zola, H. (135) 247
Marcadet, A., see Duval, D. (134) 177
Marchal, G., see Goossens, P.L. (132) 137
Marconi, P., see Pitzurra, L. (135) 71
Mareschal, J.C., Cambiaso, C.L., Janssens, J., Limet, J.N., Tasiaux, N. and Collet-Cassart, D.
Homogeneous latex immunoassay for thyroid hormone testing. Determination of thyroxine and triiodothyronine (131) 137
Marks, V., see Fickling, S.A. (129) 159
Marshall, C.J., see Baird, M.A. (128) 293
Martel, F., see St. Laurent, M. (133) 145
Mårtensson, U., see Laurell, A.-B. (129) 55
Marx-Chemla, C., see Pinon, J.M. (131) 143
Masino, R.S., see Der-Balian, G.P. (126) 281
Masson, M., see Lauritzen, E. (131) 257
Masuho, Y., see Tomiyama, T. (131) 249
Matic, S., see McKenzie, R.C. (133) 99
Matsuda, R., see Piwowarczyk, W. (132) 147
Matsuda, Y., see Kawaguchi, T. (127) 249
Matsumoto, H., see Suzuki, N. (127) 165
Matsumoto, N., see Fujiwara, K. (134) 227
Matsumoto, T., Tanaka, M., Iijima, K. and Cyong, J.-C.
A new enzymatic assay for evaluating the clearance of immune complexes from the circulation of mice (135) 163
Matsumoto, T., Tanaka, M., Yamada, H. and Cyong, J.-C.
A new photometric microassay for the quantitation of macrophage Fc receptor function. In vitro enzyme-containing immune complexes clearance (EIC) assay (129) 283
Matsumoto, Y.-i., see Tomiyama, T. (131) 249
Matsuura, Y., see Ida, N. (133) 279
Mattei, D., see Scherf, A. (128) 81
Matuhasi, T., see Kayano, T. (130) 25
Maurer, D., Felzmann, T. and Knapp, W.
A single laser flow cytometry method to evaluate the binding of three antibodies (135) 43
Mayer, L., see Sperber, K. (129) 31
Mazza, G., see Thorne, K.J.I. (133) 47

McCarthy, S.P., see Lewis, C.E. (127) 51
McCaskill, A., see Smal, M.A. (128) 183
McChesney, D.C., see Holobaugh, P.A. (135) 95
McCormick, K.L., see Pilaro, A.M. (135) 213
McFaul, S.J. and Bowman, P.D.
Quantitation of polymorphonuclear leukocyte adherence to endothelial cells by electronic particle size discrimination (130) 171
McFaul, S.J.
A method for isolating neutrophils from moderate volumes of human blood (130) 15
McGee, J.O'D., see Lewis, C.E. (127) 51
McGhee, J.R., see Taguchi, T. (128) 65
McKenzie, R.C., Harley, C.B., Matic, S. and Sauder, D.N.
Fetal bovine serum contains an inhibitor of interleukin-1 (133) 99
McKimm-Breschkin, J.L.
The use of tetramethylbenzidine for solid phase immunoassays (135) 277
McMahon, M.J., see Banks, R.E. (126) 13
McMaster, G.K., see Zwickl, M. (130) 49
McMurdo, H., see Robinson, J.E. (132) 63
Medcalf, E.A., Newman, D.J., Gilboa, A., Gorman, E.G. and Price, C.P.
A rapid and robust particle-enhanced turbidimetric immunoassay for serum β_2-microglobulin (129) 97
Meera Khan, P., see Dinjens, W.N.M. (126) 175
Meikle, P.J., Young, N.M. and Bundle, D.R.
O-antigen biotin conjugates. Preparation and use in direct competitive enzyme immunoassays (132) 255
Meilof, J.F., Bantjes, I., De Jong, J., Van Dam, A.P. and Smeenk, R.J.T.
The detection of anti-Ro/SS-A and anti-La/SS-B antibodies. A comparison of counterimmunoelectrophoresis with immunoblot, ELISA, and RNA-precipitation assays (133) 215
Meinke, G., see Lung, C.C. (128) 127
Merrick, H., see Olson, J.D. (134) 71
Metreau, E., see Safieh, B. (127) 255
Michelini-Norris, M.B., see Blanchard, D.K. (133) 285
Michl, J., see Eggers, A.E. (133) 71
Middleton, B.A., see Fickling, S.A. (129) 159
Milano, S., see Cillari, E. (130) 57
Miller, M.A., see Lo, W.-C.J. (128) 17
Miller, R.G., see Sambhara, S.R. (130) 101
Milon, G., see Goossens, P.L. (132) 137
Milstein, C., see Gherardi, E. (126) 61
Mishal, Z., see Torres, J.M. (134) 163
Mitchell, G.H., see Johnston, D.A. (127) 187
Miyauchi, T., see Suzuki, N. (127) 165
Monestier, M., Fasy, T.M., Debbas, M.E. and Patel, K.
Deoxyribonuclease I treatment of histones for the detection of anti-histone antibodies in solid-phase immunoassays. Effect of protease contamination in commercial deoxyribonuclease I preparations (127) 289
Montagnoli, G., see Degan, P. (133) 119
Montelaro, R.C., see Lo, W.-C.J. (128) 17
Montesano, R., see Degan, P. (133) 119
Montgomery, A.M.P., see Wing, M.G. (126) 21
Morace, G., see Polonelli, L. (132) 205
Moran, T.M., Usuba, O., Shapiro, E., Rubinstein, L.J., Ito, M. and Bona, C.A.
A novel technique for the production of hybrid antibodies (129) 199
Morein, B., Ekström, J. and Lövgren, K.
Increased immunogenicity of a non-amphipathic protein (BSA) after inclusion into iscoms (128) 177
Morgan, A. and Burke, L.M.
Comparison of mitogen responses of lymphocyte subpopulations separated using coated metal beads and by traditional methods (126) 1
Morling, N., see Fugger, L. (129) 175
Morrel, E.M., Tompkins, R.G., Fischman, A.J., Wilkinson, R.A. and Yarmush, M.L.
Imaging infections with antibodies. A quantitative autoradiographic analysis (130) 39
Morrison, L.J.A., Behan, P.O. and Behan, W.M.H.
Assay of complement activation in mouse serum by ELISA (126) 191
Morrison, S.L., see Black, A. (127) 123
Mosbach, K., see Heimgartner, U. (132) 239
Mosser, D.M.
An assay to quantitate the binding of leishmania amastigotes to macrophages (130) 235
Mostowski, H.S., see Siegel, J.P. (132) 287
Motoda, R., see Kayano, T. (130) 25
Moudgal, N.R., see Dighe, R.R. (131) 229
Mueller, E.A., see Pflueger, E. (129) 165
Mulder, T.P.J., Janssens, A.R., Verspaget, H.W. and Lamers, C.B.H.W.
Development of a radioimmunoassay for human metallothionein (130) 157
Müller-Bardorff, M., see Kramer, M.D. (131) 41
Müller, H.P., see Justus, C.W.E. (126) 103
Mummery, C.L., see Van den Eijnden-Van Raaij, A.J.M. (133) 107
Mundlos, S., Mackay, I.R., Frazer, I.H. and Rowley, M.
A neonatally tolerant mouse model to assess pathogenicity of human autoantibodies (127) 279
Murata, M., Yano, T., Togami, M., Yasumoto, K., Sugimachi, K., Kimura, G. and Nomoto, K.
Development of a new culture system for human lymphokine-activated killer cells (129) 89
Murciano, A., see Robinson, J.E. (132) 63
Murdoch, A., Jenkinson, E.J., Johnson, G.D. and Owen, J.J.T.
Alkaline phosphatase-Fast Red, a new fluorescent label. Application in double labelling for cell surface antigen and cell cycle analysis (132) 45
Murray, J.S. and Brown, J.C.
Measurement of association constants in ELISA. Reactions between solid-phase antibody and fluid-phase biotinylated antigen (127) 25
Murthy, G.S., see Dighe, R.R. (131) 229
Mushens, R.E. and Scott, M.L.

A fast and efficient method for quantification of monoclonal antibodies in an ELISA using a novel incubation system (131) 83

N

Nagao, J., see Hagiwara, H. (135) 263
Naithani, K., see Schliebs, B. (126) 169
Najfeld, V., see Sperber, K. (129) 31
Narita, M., see Seino, J. (128) 101
Naser, W.L.
Single incubation multilayer immune technique (129) 151
Naylor, B.A., see Johnston, D.A. (127) 187
Neill, W., see Nelson, D. (133) 227
Nelson, D., Neill, W. and Poxton, I.R.
A comparison of immunoblotting, flow cytometry and ELISA to monitor the binding of anti-lipopolysaccharide monoclonal antibodies (133) 227
Nelson, S.R. and Pepys, M.B.
Preparative isolation of human β_2-microglobulin from urine (128) 277
Neoh, S.H., see Zola, H. (135) 247
Neri, P., see Santucci, A. (127) 131
Nethery, A., Raison, R.L. and Easterbrook-Smith, S.B.
Single-step purification of immunoglobulin M on C1q-Sepharose (126) 57
Nethery, A., Raison, R.L. and Easterbrook-Smith, S.B.
Single-step purification of immunoglobulin M on Clq-Sepharose (130) 287
Neumann, K., see Pankow, W. (129) 127
Newburger, P.E., see Ryan, T.C. (130) 223
Newman, D.J., see Medcalf, E.A. (129) 97
Nibbering, P.H., Van de Gevel, J.S. and Van Furth, R.
A cell-ELISA for the quantification of adherent murine macrophages and the surface expression of antigens (131) 25
Nibbering, P.H., Zomerdijk, T.P.L., Corsèl-Van Tilburg, A.J. and Van Furth, R.
Mean cell volume of human blood leucocytes and resident and activated murine macrophages (129) 143
Nicholson, J.K.A., see Aloisio, C.H. (128) 281
Niedermühlbichler, M., see Wiedermann, C.J. (128) 147
Nielsen, B., see Ditzel, H. (133) 245
Nikš, M. and Otto, M.
Towards an optimized MTT assay (130) 149
Nikš, M., Otto, M., Bušová, B. and Štefanovič, J.
Quantification of proliferative and suppressive responses of human T lymphocytes following ConA stimulation (126) 263
Nilson, B.H.K., see Elbashir, M.I. (135) 171
Nilsson, R. and Davidsson, B.
Quantitation of protein A in human plasma is possible after heat inactivation of the samples (135) 77
Nishiura, T., see Kawaguchi, T. (127) 249
Nnalue, N.A., see Luk, J.M.C. (129) 243
Noll, F., see Zacharias, U. (130) 81
Nomoto, K., see Murata, M. (129) 89
Nooij, F.J.M., Van der Sluijs-Gelling, A.J., Jol-Van der Zijde, C.M., Van Tol, M.J.D., Haas, H. and Radl, J.
Immunoblotting techniques for the detection of low level homogeneous immunoglobulin components in serum (134) 273
Norazmi, M.-N., Hohmann, A.W., Jarvis, L.R., Skinner, J.M., Stoll, P. and Bradley, J.
The use of computer-assisted video image analysis in the enumeration of immuno-stained cells in tissue sections (131) 223
Norman, J.C., see Safieh, B. (127) 255
Normark, M., see Lisse, I.M. (129) 49
Norrman, A., see Hammar, E. (128) 51
Noshiro, H., see Seino, J. (128) 101
Nustad, K., see Börmer, O.P. (127) 171
Nustad, K., see Liabakk, N.-B. (134) 253
Nustad, K., see Lindmo, T. (126) 183
Nutman, T.B., see King, C.L. (132) 37

O

Odermatt, N., see Chollet, A. (127) 179
Ødum, N., see Fugger, L. (129) 175
Ogata, K., see Takasaki, Y. (132) 227
Oh, S.K., see Cerda, S. (134) 51
Ohgaki, M., see Takasaki, Y. (132) 227
Ohi, H., Watanabe, S., Fujita, T., Seki, M. and Hatano, M.
Detection of C3bBb-stabilizing activity (C3 nephritic factor) in the serum from patients with membranoproliferative glomerulonephritis (131) 71
Ohno, T., see Hasegawa, N. (126) 295
Ojcius, D.M., see Jiang, S. (126) 29
O'Kennedy, R., see Carroll, K. (129) 71
Oldham, R.K., see Yannelli, J.R. (130) 91
Olley, J.E., see Tiong, G.K.L. (131) 65
Olson, J.D., Panfili, P.R., Armenta, R., Femmel, M.B., Merrick, H., Gumperz, J., Goltz, M. and Zuk, R.F.
A silicon sensor-based filtration immunoassay using biotin-mediated capture (134) 71
Ono, M., see Kawaguchi, T. (127) 249
Oosterlaken, T.A.M., see Cornelissen, J.J. (130) 141
Ootaka, T., Saito, T., Soma, J. and Yoshinaga, K.
Analysis of leukocyte surface antigens on ethanol-fixed paraffin-embedded tissue material (131) 183
Oppenheim, J.D., Amin, A.R. and Thorbecke, G.J.
A rapid one step purification procedure for murine IgD based on the specific affinity of *Bandeiraea (Griffonia) simplicifolia-1* for N-linked carbohydrates on IgD (130) 243

Oppermann, M., Baumgarten, H., Brandt, E., Gottsleben, W., Kurts, C. and Götze, O.
Quantitation of components of the alternative pathway of complement (APC) by enzyme-linked immunosorbent assays (133) 181
Oppermann, M., see Würzner, R. (126) 231
O'Reilly, M.-A.J. and Kinnon, C.
The technique of pulsed field gel electrophoresis and its impact on molecular immunology (131) 1
Osawa, H., Daha, M.R. and Van Es, L.A.
Evaluation of the efficiency of two IgA immune complex assays (132) 173
O'Sullivan, M.J., see Horton, J.K. (135) 289
Otaka, A., see Takeyama, M. (130) 217
Otto, M., see Nikš, M. (126) 263
Otto, M., see Nikš, M. (130) 149
Owen, J.A., see Skeath, J.B. (133) 39
Owen, J.J.T., see Murdoch, A. (132) 45

P

Pabst, M.J., see Aida, Y. (132) 191
Pabst, R., see Willführ, K.U. (130) 201
Panfili, P.R., see Olson, J.D. (134) 71
Pankow, W., Neumann, K., Rüschoff, J., Heymanns, J. and Von Wichert, P.
A cytofluorometric method to quantify membrane antigens on individual alveolar macrophages (129) 127
Pannell, R., see Gherardi, E. (126) 61
Parce, J.W., see Der-Balian, G.P. (126) 281
Parekh, R.B., see Sumar, N. (131) 127
Parish, C.R., see Weston, S.A. (133) 87
Parmenter, J.L., see Sharp, R.M. (126) 287
Parnell, G.D., see Cumber, A.J. (135) 15
Pascual, M., Catana, E., Spertini, F., Macon, K., Volanakis, J.E. and Schifferli, J.A.
A monoclonal antibody which blocks the function of factor D of human complement (127) 263
Patel, K., see Monestier, M. (127) 289
Patt, R., see Samuel, D. (131) 153
Peacock, J.S., Colsky, A.S. and Pinto, V.B.
Lectins and antibodies as tools for studying cellular interactions (126) 147
Peacock, J.S., see Colsky, A.S. (129) 139
Pearce-Pratt, R. and Roser, B.
False-positive signals in enzyme immunoassay (EIA) interactions between rodent IgG subclasses (130) 65
Pearson, J.E., see Jones, S.L. (129) 227
Pepys, M.B., see Nelson, S.R. (128) 277
Pergande, M., see Porstmann, T. (127) 1
Perkins, S., see Foung, S. (134) 35
Perkins, S., see Zimmermann, U. (134) 43
Perosa, F., Carbone, R., Ferrone, S. and Dammacco, F.
Purification of human immunoglobulins by sequential precipitation with caprylic acid and ammonium sulphate (128) 9
Persson, M.A.A. and Lerner, R.A.
Increased yield of antibody-producing murine spleen cell hybridomas from fusions cultured in medium supplemented with mouse serum (127) 39
Peters, A.M., see Pinching, A.J. (126) 7
Petersen, K.-G., see Schliebs, B. (126) 169
Pettersson, M.L., Courel, M.-N., Girard, N., Abraham, R., Gabel, D., Thellier, M. and Delpech, B.
Immunoreactivity of boronated antibodies (126) 95
Pettit, R.K., Szuba, J.C. and Judd, R.C.
Comparison of two serum bactericidal assays for *Neisseria gonorrhoeae* (129) 15
Petzoldt, D., see Kramer, M.D. (131) 41
Pflueger, E., Mueller, E.A. and Anderer, F.A.
Preservation of cytotoxic function during multi-cycle immunomagnetic cell separations of human NK cells using a new type of magnetic bead (129) 165
Phipps, D.C., West, J., Eby, R., Koster, M., Madore, D.V. and Quataert, S.A.
An ELISA employing a *Haemophilus influenzae* type b oligosaccharide-human serum albumin conjugate correlates with the radioantigen binding assay (135) 121
Pilaro, A.M., Sayers, T.J., McCormick, K.L., Reynolds, C.W. and Wiltrout, R.H.
An improved in vitro assay to quantitate chemotaxis of rat peripheral blood large granular lymphocytes (LGL) (135) 213
Pilcher, C.C. and Elliott, R.B.
A sensitive and reproducible method for the assay of human islet cell antibodies (129) 111
Pinching, A.J., Peters, A.M. and Saverymuttu, S.H.
Quantification of radiolabelled granulocyte migration in vivo (126) 7
Pinnas, J.L., see Lung, C.C. (128) 127
Pinon, J.M., Puygauthier-Toubas, D., Lepan, H., Boulant, J., Marx-Chemla, C. and Dupont, H.
Enzyme-linked immuno-filtration assay applied to accelerated immunodetection of gel transferred proteins on immobilizing matrices (131) 143
Pinon, J.M., see Dupont, H. (128) 287
Pinto, V.B., see Peacock, J.S. (126) 147
Piran, U. and Riordan, W.J.
Dissociation rate constant of the biotin-streptavidin complex (133) 141
Piran, U., Riordan, W.J. and Silbert, D.R.
Effect of hapten heterology on thyroid hormone immunoassays (133) 207
Pitzurra, L., Blasi, E., Bartoli, A., Marconi, P. and Bistoni, F.
A rapid objective immunofluorescence microassay. Application for detection of surface and intracellular antigens (135) 71
Piwowarczyk, W. and Matsuda, R.
A large scale dot blot ELISA using the 96-well culture plate (132) 147

Pizzimenti, A., see Sperber, K. (129) 31
Pleau, J.M., see Safieh, B. (127) 255
Polonelli, L., Fanti, F., Conti, S., Campani, L., Gerloni, M., Castagnola, M., Morace, G. and Chezzi, C.
Detection by immunofluorescent anti-idiotypic antibodies of yeast killer toxin cell wall receptors of *Candida albicans* (132) 205
Ponec, M., see De Bueger, M.M. (127) 117
Porstmann, B., see Porstmann, T. (127) 1
Porstmann, T., Wietschke, R., Grunow, R., Jahn, S., Porstmann, B., Schmechta, H., Pergande, M. and Von Baehr, R.
Production and characterization of monoclonal antibodies against human Cu/Zn superoxide dismutase and the establishment of a super-rapid enzyme-linked immunosorbent assay (SURALISA) (127) 1
Portolés, P., Rojo, J.M. and Janeway, Jr., C.A.
A simple method for the radioactive iodination of CD4 molecules (129) 105
Porzsolt, F., see Prümmer, O. (130) 187
Poston, R., see Yannelli, J.R. (130) 91
Pound, J.D., see Hansel, T.T. (127) 153
Poxton, I.R., see Nelson, D. (133) 227
Preud'homme, J.L., see Jauberteau, M.O. (134) 107
Price, C.P., see Medcalf, E.A. (129) 97
Prümmer, O., Cederblad, B., Alm, G., Drees, N. and Porzsolt, F.
Filter spot-ELISA for the enumeration of interferon-α antibody-secreting cells (130) 187
Pupa, S., see Temponi, M. (126) 223
Puygauthier-Toubas, D., see Pinon, J.M. (131) 143

Q

Quash, G., see Roch, A.M. (133) 1
Quash, G., see Thomas, V. (133) 13
Quataert, S.A., see Phipps, D.C. (135) 121
Quillet-Mary, A., see Cavarec, L. (130) 251

R

Rademacher, T.W., see Sumar, N. (131) 127
Radl, J., see Nooij, F.J.M. (134) 273
Radošević, K., Garritsen, H.S.P., Van Graft, M., De Grooth, B.G. and Greve, J.
A simple and sensitive flow cytometric assay for the determination of the cytotoxic activity of human natural killer cells (135) 81
Raghupathy, R., see Arunachalam, B. (135) 181
Raison, R.L., see Nethery, A. (126) 57
Raison, R.L., see Nethery, A. (130) 287
Rakitskaya, V., see Karawajew, L. (129) 277
Ramjeesingh, M., Zywulko, M., Rothstein, A., Whyte, R. and Shami, E.Y.
Antigen protection of monoclonal antibodies undergoing labelling (133) 159
Rasmussen, N., Sjölin, C., Isaksson, B., Bygren, P. and Wieslander, J.
An ELISA for the detection of anti-neutrophil cytoplasm antibodies (ANCA) (127) 139
Ratcliffe, J.G., see Ratcliffe, W.A. (127) 109
Ratcliffe, W.A., Hughes, S., Gilligan, M.G., Heath, D.A. and Ratcliffe, J.G.
Production and characterisation of monoclonal antibodies to parathyroid hormone-related protein (127) 109
Rebello, P.R.U.B., see Cobbold, S.P. (127) 19
Redman, C.W.G., see Vince, G.S. (132) 181
Reichlin, M., see Yoshida, S. (131) 113
Reilly, E.B., Antognetti, G., Wesolowski Jr., J.S. and Sakorafas, P.
The use of microcapsules for high density growth of human tumor infiltrating lymphocytes and other immune reactive T cells (126) 273
Reynolds, C.W., see Pilaro, A.M. (135) 213
Rice, K., see Wolf-Rogers, J. (133) 191
Richard, J., see Roch, A.M. (133) 1
Richards, P.S., see Lewis, C.E. (127) 51
Richardson, B.A., see Thorne, K.J.I. (133) 47
Richardson, J.C. and Levy, R.B.
The use of primed cytotoxic T lymphocytes as a highly sensitive and accurate method for the detection of MHC disparate allogeneic cells (127) 79
Richter, A., see Jiang, F.N. (134) 139
Rickwood, D., see Ford, T.C. (134) 237
Riddell, S.R. and Greenberg, P.D.
The use of anti-CD3 and anti-CD28 monoclonal antibodies to clone and expand human antigen-specific T cells (128) 189
Ringer, T.V., see English, P.A. (135) 285
Riordan, W.J., see Piran, U. (133) 141
Riordan, W.J., see Piran, U. (133) 207
Ripoll, J.P., see Roch, A.M. (133) 1
Roberts, C.M., see Smith, S.F. (131) 119
Roberts, R.L., Ank, B.J., Salusky, I.B. and Stiehm, E.R.
Purification and properties of peritoneal eosinophils from pediatric dialysis patients (126) 205
Robertson, A.K., Cross, A.R., Jones, O.T.G. and Andrew, P.W.
The use of diphenylene iodonium, an inhibitor of NADPH oxidase, to investigate the antimicrobial action of human monocyte derived macrophages (133) 175
Robertson, E.F., see Wolf-Rogers, J. (133) 191
Robins, A., see Haynes, A.P. (135) 155
Robinson, J.E., Holton, D., Liu, J., McMurdo, H., Murciano, A. and Gohd, R.
A novel enzyme-linked immunosorbent assay (ELISA) for the detection of antibodies to HIV-1 envelope glycoproteins based on immobilization of viral glycoproteins in microtiter wells coated with concanavalin A (132) 63

Roch, A.M., Delcros, J.G., Ripoll, J.P., Thomas, V., Richard, J. and Quash, G.
A novel covalent enzyme-linked immunoassay (CELIA) for simultaneously measuring free and immune complex bound antibodies of defined specificity. I. Application to naturally occurring antipolyamine antibodies in human sera (133) 1
Roch, A.M., see Thomas, V. (133) 13
Rocke, D.M., see Bunch, D.S. (132) 247
Rodewald, H.-R., Langhorne, J., Eichmann, K. and Kupsch, J.
Production of murine interleukin-4 and interleukin-5 by recombinant baculovirus (132) 221
Roesler, J., see Emmendörffer, A. (131) 269
Rogers, S.D. and Bignold, L.P.
Which method for the assessment of spreading of polymorphonuclear leukocytes? (135) 281
Rohmer, H., see Schetters, H. (134) 113
Roitt, I.M., see Sumar, N. (131) 127
Rojo, J.M., see Portolés, P. (129) 105
Rook, G.A.W., see Sumar, N. (131) 127
Rooney, C.M., see Buschle, M. (133) 77
Rosenberg, S.A., see Knazek, R.A. (127) 29
Roser, B., see Pearce-Pratt, R. (130) 65
Ross, C., see Hansen, M.B. (127) 241
Rothbard, J.B., see Busch, R. (134) 1
Rothstein, A., see Ramjeesingh, M. (133) 159
Rouger, P., see Mansour, I. (127) 61
Rowley, M., see Mundlos, S. (127) 279
Rozenberg-Arska, M., see Cornelissen, J.J. (130) 141
Rubin, I., see Lauritzen, E. (131) 257
Rubin, R.L., see Burlingame, R.W. (134) 187
Rubinstein, L.J., see Moran, T.M. (129) 199
Rubinstein, M., see Yonish-Rouach, E. (135) 147
Rudchenko, S., see Karawajew, L. (129) 277
Ruegg, C.L., Jaffe, R.I., Köster, B., Sadoff, J.C., Zollinger, W.D., Lowell, G.H. and Strand, M.
Preparation of proteosome-based vaccines. Correlation of immunogenicity with physical characteristics (135) 101
Rüschoff, J., see Pankow, W. (129) 127
Rustas, K., see Hammar, E. (128) 51
Rustici, M., see Santucci, A. (127) 131
Ryan, T.C., Weil, G.J., Newburger, P.E., Haugland, R. and Simons, E.R.
Measurement of superoxide release in the phagovacuoles of immune complex-stimulated human neutrophils (130) 223
Ryder, L.P., see Fugger, L. (129) 175
Ryder, L.P., see Lisse, I.M. (129) 49

S

Sada, E., Katoh, S. and Sohma, Y.
Effects of histidine residues on adsorption equilibrium of peptide antibodies (130) 33
Sadoff, J.C., see Ruegg, C.L. (135) 101
Safieh, B., Kendall, M.D., Norman, J.C., Metreau, E., Dardenne, M., Bach, J.F. and Pleau, J.M.
A new radioimmunoassay for the thymic peptide thymulin, and its application for measuring thymulin in blood samples (127) 255
Sahasrabuddhe, C.G., see Furukawa, K. (131) 105
Saito, H., Wen, D.-R., Yamamoto, S., Yamamoto, T., Saxton, R.E., Cochran, A.J. and Irie, R.F.
Murine monoclonal anti-idiotype antibody (α) as a probe to detect human monoclonal antibody bound to human tumor tissues (134) 121
Saito, T., see Ootaka, T. (131) 183
Saito, T., see Seino, J. (128) 101
Sakorafas, P., see Reilly, E.B. (126) 273
Sakurai, S., see Ida, N. (133) 279
Salmon, H., see Berthon, P. (131) 173
Salmon, S.E., see Scuderi, P. (128) 119
Salusky, I.B., see Roberts, R.L. (126) 205
Sambhara, S.R., Upadhya, A.G. and Miller, R.G.
Generation and characterization of peptide-specific, MHC-restricted cytotoxic T lymphocyte (CTL) and helper T cell lines from unprimed T cells under microculture conditions (130) 101
Samuel, D. and Abuknesha, R.A.
A single-step method for the purification of anti-FITC antibodies by use of a coumarin immunosorbent (133) 133
Samuel, D., Patt, R. and Taylor, A.G.
Removal of liposomes with incompletely encapsulated enzyme using a monoclonal anti-alkaline phosphatase immunosorbent (131) 153
Sanders, M.E., see Bach, M.K. (130) 277
Sanders, M.E., see English, P.A. (135) 285
Sanekata, T., Taniguchi, K., Demura, M. and Fujinaga, K.
Detection of adenovirus type41 in stool samples by a latex agglutination method (127) 235
Sansoni, P., see Manara, G.C. (128) 59
Santamaria, P., Bryan, M.K. and Barbosa, J.
Long term expansion of cytomegalovirus-specific T cell lines in the absence of antigen or antigen-presenting cells. Use of monosized polystyrene particles coated with agonistic antibodies (132) 1
Santucci, A., Rustici, M., Bracci, L., Lozzi, L., Soldani, P. and Neri, P.
HPLC immunoaffinity purification of rabies virus glycoprotein using immobilized antipeptide antibodies (127) 131
Sargent, I.L., see Vince, G.S. (132) 181
Sato, H., see Seino, J. (128) 101
Sauder, D.N., see McKenzie, R.C. (133) 99
Saverymuttu, S.H., see Pinching, A.J. (126) 7
Saxton, R.E., see Saito, H. (134) 121
Sayers, T.J., see Pilaro, A.M. (135) 213
Schellekens, J., see Cornelissen, J.J. (130) 141
Scheper, R.J., see Bruynzeel, I. (132) 51
Scherf, A., Mattei, D. and Schreiber, M.
Parasite antigens expressed in *Escherichia coli*. A refined approach for epidemiological analysis (128) 81
Schetters, H., Rohmer, H., Hehlmann, R. and Erfle, V.

Quantitative determination of retrovirus-specific immune complexes (134) 113
Schickel, E., see Kramer, M.D. (131) 41
Schiele, F., see Varasteh, A. (128) 203
Schifferli, J.A., see Pascual, M. (127) 263
Schliebs, B., Gattner, H., Naithani, K., Fabry, M., Khalaf, A.-N., Kerp, L. and Petersen, K.-G.
The detection of single cells forming antibodies to defined epitopes on insulin (126) 169
Schmechta, H., see Porstmann, T. (127) 1
Schmitt, K., see Blazek, R. (131) 203
Schneider, F., see Zacharias, U. (130) 81
Schneider, Y.-J. and Lavoix, A.
Monoclonal antibody production in semi-continuous serum- and protein-free culture. Effect of glutamine concentration and culture conditions on cell growth and antibody secretion (129) 251
Schnettler, R., see Zimmermann, U. (134) 43
Schoel, B., see Gulle, H. (133) 253
Schreiber, M., see Scherf, A. (128) 81
Schroeder, J.T. and Hanrahan, Jr., L.R.
Purification of human basophils using mouse monoclonal IgE (133) 269
Schuit, H.R.E., see Lagaay, A.M. (133) 235
Schulz, R., see Anumula, K.R. (135) 199
Schumacher, R.T., see Weiblen, B.J. (126) 199
Schwan, W.R., Waltenbaugh, C. and Duncan, J.L.
Bacteria as solid phase in a concentration fluorescence immunoassay analysis of antibodies to surface antigens (126) 247
Scott, M.L., see Mushens, R.E. (131) 83
Scuderi, P., Woo, L., Chong, A.S.-F., Liu, R. and Salmon, S.E.
Modification of the clonogenic assay for the detection of lymphokine activated killer cell activity (128) 119
Seino, J., Kinoshita, Y., Sudo, K., Horigome, I., Sato, H., Narita, M., Noshiro, H., Kudo, K., Fukuda, K., Saito, T. and Yoshinaga, K.
Quantitation of C4 nephritic factor by an enzyme-linked immunosorbent assay (128) 101
Seki, M., see Ohi, H. (131) 71
Sekiya, C., see Kawaguchi, T. (127) 249
Sentissi, A., see Warden, B.A. (131) 77
Seyer, J.M., see Huang, M.C. (129) 77
Seymour, N.D., see Goldblatt, D. (128) 219
Shami, E.Y., see Ramjeesingh, M. (133) 159
Shapiro, E., see Moran, T.M. (129) 199
Sharief, M.K. and Thompson, E.J.
A sensitive ELISA system for the rapid detection of virus specific IgM antibodies in the cerebrospinal fluid (130) 19
Sharp, R.M., Durocher, C.L. and Parmenter, J.L.
Production of baboon (*Papio hamadryas*) monoclonal antibodies by herpesvirus papio immortalized baboon lymph node cells (126) 287
Sheiban, E. and Gershon, H.
The specific blocking of an IgG dependent erythrophagocytosis assay by protein G and ELISA determination of in situ bound IgG on erythrocytes of normal donors (135) 139
Sheller, U., see Kim, B.B. (131) 213
Shepard, M., see Sias, P.E. (132) 73
Sherwood, M., see Andrew, D.P. (134) 87
Shinitzky, M., see Yonish-Rouach, E. (135) 147
Shirai, T., see Takasaki, Y. (132) 227
Shozen, Y., see Ikawa, M. (134) 101
Sias, P.E., Kotts, C.E., Vetterlein, D., Shepard, M. and Wong, W.L.T.
ELISA for quantitation of the extracellular domain of $p185^{HER2}$ in biological fluids (132) 73
Siegel, J.P. and Mostowski, H.S.
A bioassay for the measurement of human interleukin-4 (132) 287
Siest, G., see Varasteh, A. (128) 203
Signet, C.M., see Dinjens, W.N.M. (126) 175
Silbert, D.R., see Piran, U. (133) 207
Simon, M.M., see Justus, C.W.E. (126) 103
Simon, M.M., see Kramer, M.D. (131) 41
Simon, P., see Maley, D.T. (134) 61
Simons, E.R., see Ryan, T.C. (130) 223
Sisson, T.H. and Castor, C.W.
An improved method for immobilizing IgG antibodies on protein A-agarose (127) 215
Sissons, J.G.P., see Alp, N.J. (129) 269
Sjöholm, A.G., see Laurell, A.-B. (129) 55
Sjölin, C., see Rasmussen, N. (127) 139
Skeath, J.B., Dalesandro, M.R., Ferguson, M.A., Kinnel, G.C. and Owen, J.A.
Fluorescein-specific hybridomas derived from primary mice exhibit more stringent growth requirements than do hybrids from pre-immune animals (133) 39
Skinner, J.M., see Norazmi, M.-N. (131) 223
Skogh, T., see Ljunghusen, O. (128) 1
Skretting, B.R.A., see Benestad, H.B. (135) 1
Slade, S.G., see Buyon, J.P. (129) 207
Slager, H.G., see Van den Eijnden-Van Raaij, A.J.M. (133) 107
Smal, M.A., Baldo, B.A. and McCaskill, A.
A specific, sensitive radioimmunoassay for platelet-activating factor (PAF) (128) 183
Smeenk, R.J.T., see Meilof, J.F. (133) 215
Smeenk, R.J.T., see Van Dam, A.P. (129) 63
Smith, M.C., Heusser, C., Wagner, K., Blaser, K. and Durkin, H.G.
An in vitro murine model of a penicillin specific IgE anamnestic response (131) 55
Smith, S.F., Goulding, N.J., Godolphin, J.L., Tetley, T.D., Roberts, C.M., Guz, A. and Flower, R.J.
An assay for the assessment of lipocortin 1 levels in human lung lavage fluid (131) 119
Snippe, H., see Verheul, A.F.M. (126) 79
Snoeck, R., see Bron, D. (130) 209
Sohma, Y., see Sada, E. (130) 33
Soldani, P., see Santucci, A. (127) 131
Soma, J., see Ootaka, T. (131) 183
Søndergård-Andersen, J., Lauritzen, E., Lind, K. and Holm, A.
Covalently linked peptides for enzyme-linked immunosorbent assay (131) 99
Songsivilai, S., see Wing, M.G. (126) 21
Sonne, O., see Fisker, S. (133) 31
Sperber, K., Bauer, J., Pizzimenti, A., Najfeld, V. and Mayer, L.
Identification of subpopulations of human macrophages

through the generation of human macrophage hybridomas (129) 31
Spertini, F., see Pascual, M. (127) 263
Spinella, D.G.
A rapid method for genotyping mice for T cell receptor V_β^a and V_β^b haplotypes by PCR analysis of whole blood (135) 209
Spooner, R.L., see Glass, E.J. (128) 267
Stammler, P., see Lutz, H.U. (129) 211
Starkey, P.M., see Vince, G.S. (132) 181
Stashak, P.W., see Elkins, K.L. (130) 123
Steel, C.M., see Crichton, D.N. (132) 151
Steele, J.G., see Underwood, P.A. (127) 91
Štefanovič, J., see Nikš, M. (126) 263
Steinhoff, J., see Wood, W.G. (131) 151
Steinman, R.M., see Crowley, M.T. (133) 55
Stetler-Stevenson, W.G., see Wacher, M.P. (126) 239
Stevens, J., Danilov, S., Fanburg, B.L. and Lanzillo, J.J.
A sensitive two-site sandwich enzyme immunoassay for human angiotensin converting enzyme utilizing monoclonal antibodies (132) 263
Stiehm, E.R., see Roberts, R.L. (126) 205
Stingl, A., see Fischer, E.G. (128) 235
St. Laurent, M., Martel, F., Verrette, S. and Lemieux, R.
Non-specific reactivity of monoclonal antibodies in ELISA due to the presence of an antigen-like structure on the alkaline phosphatase molecule (133) 145
Stoll, P., see Norazmi, M.-N. (131) 223
Stone, B.F., see Gauci, M. (126) 51
Strand, M., see Ruegg, C.L. (135) 101
Stryckmans, P., see Bron, D. (130) 209
Sudo, K., see Seino, J. (128) 101
Sugano, T., see Tomiyama, T. (131) 249
Sugimachi, K., see Murata, M. (129) 89
Sumar, N., Bodman, K.B., Rademacher, T.W., Dwek, R.A., Williams, P., Parekh, R.B., Edge, J., Rook, G.A.W., Isenberg, D.A., Hay, F.C. and Roitt, I.M.
Analysis of glycosylation changes in IgG using lectins (131) 127
Sundrehagen, E., see Benestad, H.B. (135) 1
Suzuki, K.-i., see Kawaguchi, T. (127) 249
Suzuki, N., Matsumoto, H., Kitada, C., Kimura, S., Miyauchi, T. and Fujino, M.
A sandwich-type enzyme immunoassay to detect immunoreactive big-endothelin-1 in plasma (127) 165
Svejgaard, A., see Fugger, L. (129) 175
Svoboda, M., see Gourlet, P. (133) 151
Swinburne, S., see Horton, J.K. (135) 289
Szuba, J.C., see Pettit, R.K. (129) 15

T

Taguchi, T., McGhee, J.R., Coffman, R.L., Beagley, K.W., Eldridge, J.H., Takatsu, K. and Kiyono, H.
Detection of individual mouse splenic T cells producing IFN-γ and IL-5 using the enzyme-linked immunospot (ELISPOT) assay (128) 65
Takasaki, Y., Ohgaki, M., Kodama, A., Ogata, K., Hashimoto, H., Shirai, T. and Hirose, S.-I.
A sandwich type enzyme-linked immunosorbent assay for proliferating cell nuclear antigen (PCNA)/cyclin using monoclonal antibodies (132) 227
Takatsu, K., see Taguchi, T. (128) 65
Takeyama, M., Yasunaga, F., Otaka, A., Fujii, N. and Yajima, H.
Microenzyme immunoassay for the measurement of brain natriuretic peptide (BNP)-like immunoreactivity in porcine plasma (130) 217
Talwar, G.P., see Arunachalam, B. (135) 181
Tamaki, Y., Kishida, T. and Fukuda, M.
Practical method for production of monoclonal antibody to human IgG allotype G1M F and its applications in ELISAs and dot immunobinding (128) 75
Tan, E.M., see Buyon, J.P. (129) 207
Tanaka, M., see Matsumoto, T. (129) 283
Tanaka, M., see Matsumoto, T. (135) 163
Tanaka, S., see Inagaki, H. (128) 27
Taniguchi, K., see Sanekata, T. (127) 235
Taniguchi, N., see Kawaguchi, T. (127) 249
Tanimori, H. and Kitagawa, T.
A new liquid-phase enzyme immunoassay for rabbit IgM antibodies and its application for comparing the specificity of IgM and IgG antibodies contained in the same antiserum (129) 233
Tanke, H.J., see Lagaay, A.M. (133) 235
Tasiaux, N., see Halflants, M. (134) 171
Tasiaux, N., see Mareschal, J.C. (131) 137
Taylor, A.G., see Samuel, D. (131) 153
Taylor, C.G., see Blanchard, G.C. (130) 263
Teale, D., see Fickling, S.A. (129) 159
Temponi, M., Pupa, S. and Ferrone, S.
Purification of immunoreactive radiolabeled monoclonal antibodies with anti-idiotypic monoclonal antibodies (126) 223
Teng, N.N.H., see Bhat, N.M. (131) 147
Ten Kate, J., see Dinjens, W.N.M. (126) 175
Terzidis, H., see Lambré, C.R. (135) 49
Tetley, T.D., see Smith, S.F. (131) 119
Thellier, M., see Pettersson, M.L. (126) 95
Therasse, J., see Dupont, H. (128) 287
Thomas, E.L., see Bozeman, P.M. (126) 125
Thomas, V., El Alaoui, S., Roch, A.M. and Quash, G.
A novel covalent enzyme-linked immunoassay (CELIA) for simultaneously measuring free and immune complex bound antibodies with a defined specificity. II. Application to immune complexes containing viral antigens in human sera (133) 13
Thomas, V., see Roch, A.M. (133) 1
Thompson, E.J., see Luxton, R.W. (131) 277
Thompson, E.J., see Sharief, M.K. (130) 19
Thompson, R.A., see Hansel, T.T. (127) 153
Thong, Y.H., see Gauci, M. (126) 51
Thorbecke, G.J., see Oppenheim, J.D. (130) 243

Thorne, K.J.I., Richardson, B.A., Mazza, G. and Butterworth, A.E.
A new method for measuring eosinophil activating factors, based on the increased expression of CR3 α chain (CD11b) on the surface of activated eosinophils (133) 47
Thorpe, R., see Wadhwa, M. (128) 211
Thyphronitis, G., see King, C.L. (132) 37
Tilgen, W., see Kramer, M.D. (131) 41
Till, M.A., see Ghetie, V. (126) 135
Tiong, G.K.L. and Olley, J.E.
A sensitive and specific enzyme-linked immunosorbent assay for methionine enkephalin sulphoxide (131) 65
Tobe, T., see Choi, N.-H. (131) 159
Togami, M., see Murata, M. (129) 89
Tomita, M., see Choi, N.-H. (131) 159
Tomiyama, T., Matsumoto, Y.-i., Sugano, T., Fujinaga, S. and Masuho, Y.
Preparation of human monoclonal antibodies against a cytomegalovirus glycoprotein complex of 130 and 55 kDa (131) 249
Tompkins, R.G., see Morrel, E.M. (130) 39
Torensma, R., see Cornelissen, J.J. (130) 141
Torres, J.M., Esteban, C., Aguilar, J., Mishal, Z. and Uriel, J.
Quantification of α-fetoprotein and transferrin endocytosis by lymphoid cells using flow cytometry (134) 163
Torresani, C., see Manara, G.C. (128) 59
Tötterman, T.H., see Festin, R. (126) 69
Trakht, I., see Karawajew, L. (129) 277
Tripputi, P., see Corti, A. (134) 81
Tuijnman, W.B., De Winkel, J.G.J.V. and Capel, P.J.A.
A flow cytometric rosetting assay for the analysis of IgG-Fc receptor interactions (127) 207
Turner, M.W., see Goldblatt, D. (128) 219
Tyler, J.W., Cullor, J.S. and Dellinger, J.D.
Cross-reactive affinity purification of immunoglobulin recognizing common gram-negative bacterial core antigens (129) 221
Tzeng, J.-J. and Barth, R.F.
Sensitivity of B16 melanoma sublines to lymphokine-activated killer cells as determined by ^{51}Cr-release and clonogenic assays (128) 257

U

Uda, T., see Kawaguchi, T. (127) 249
Ugelstad, J., see Lindmo, T. (126) 183
Uhr, J.W., see Ghetie, V. (126) 135
Umansky, S.R., see Beletsky, I.P. (134) 201
Unanue, E.R., see Luescher, I.F. (135) 233
Underwood, P.A., Steele, J.G., Dalton, B.A. and Bennett, F.A.
Solid-phase monoclonal antibodies. A novel method of directing the function of biologically active molecules by presenting a specific orientation (127) 91
Upadhya, A.G., see Sambhara, S.R. (130) 101
Uriel, J., see Torres, J.M. (134) 163
Usuba, O., see Moran, T.M. (129) 199
Usui, M., see Kayano, T. (130) 25

V

Vahlne, A., see Cogniaux, J. (128) 165
Van Dam, A.P., Van den Brink, H.G. and Smeenk, R.J.T.
Technical problems concerning the use of immunoblots for the detection of antinuclear antibodies (129) 63
Van Dam, A.P., see Meilof, J.F. (133) 215
Van Dam, G.J., see Verheul, A.F.M. (126) 79
Van de Gevel, J.S., see Nibbering, P.H. (131) 25
Vandenabeele, P., Declercq, W., Libert, C. and Fiers, W.
Development of a simple, sensitive and specific bioassay for interleukin-1 based on the proliferation of RPMI 1788 cells. Comparison with other bioassays for IL-1 (135) 25
Van den Berg, C.W., Aerts, P.C. and Van Dijk, H.
Functional assay of C5-activating and nonactivating cobra venom factor preparations in the mouse system (133) 199
Vandenberghe, P.A. and Ceuppens, J.L.
Flow cytometric measurement of cytoplasmic free calcium in human peripheral blood T lymphocytes with fluo-3, a new fluorescent calcium indicator (127) 197
Van den Brink, H.G., see Van Dam, A.P. (129) 63
Van den Eijnden-Van Raaij, A.J.M., Koornneef, I., Slager, H.G., Mummery, C.L. and Van Zoelen, E.J.J.
Characterization of polyclonal anti-peptide antibodies specific for transforming growth factor β_2 (133) 107
Vandeputte, M., see Leenaerts, P.L. (130) 163
Vandeputte, M., see Leenaerts, P.L. (130) 73
Van der Auwera, P., see Bron, D. (130) 209
Van der Keur, M., see Lagaay, A.M. (133) 235
Van der Linden, E.P.M., see Dinjens, W.N.M. (126) 175
Van der Raaij, L.M.H., see Bruynzeel, I. (132) 51
Van der Sluijs-Gelling, A.J., see Nooij, F.J.M. (134) 273
Van Dijk, H., see Van den Berg, C.W. (133) 199
Van Els, C.A.C.M., see De Bueger, M.M. (127) 117
Van Es, L.A., see Osawa, H. (132) 173
Van Furth, R., see Nibbering, P.H. (129) 143
Van Furth, R., see Nibbering, P.H. (131) 25
Van Graft, M., see Radošević, K. (135) 81
Van Krieken, L., see Halflants, M. (134) 171
Van Leuven, F., see Banks, R.E. (126) 13
Van Overveld, F.J., De Backer, W.A. and Vermeire, P.A.
A modified method for isolating viable alveolar type II cells from human lung tissue (132) 145
Van Rooijen, N., see Claassen, I. (134) 153
Van Tol, M.J.D., see Nooij, F.J.M. (134) 273

Van Vooren, J.P., see Cambiaso, C.L. (129) 9
Van Zoelen, E.J.J., see Van den Eijnden-Van Raaij, A.J.M. (133) 107
Varasteh, A., Wellman, M., Artur, Y., Schiele, F. and Siest, G.
An avidin-biotin ELISA for the measurement of mitochondrial aspartate aminotransferase in human serum (128) 203
Verheul, A.F.M., Versteeg, A.A., Westerdaal, N.A.C., Van Dam, G.J., Jansze, M. and Snippe, H.
Measurement of the humoral immune response against *Streptococcus pneumoniae* type 14-derived antigens by an ELISA and ELISPOT assay based on biotin-avidin technology (126) 79
Verhoef, J., see Cornelissen, J.J. (130) 141
Vermeire, P.A., see Van Overveld, F.J. (132) 145
Vermeulen, N.M.J., see Verschoor, J.A. (127) 43
Verrette, S., see St. Laurent, M. (133) 145
Verschoor, J.A., Vermeulen, N.M.J. and Visser, L.
Haptenated nylon-coated polystyrene plates as a solid phase for ELISA (127) 43
Verschragen, G., see Ince, C. (128) 227
Verspaget, H.W., see Mulder, T.P.J. (130) 157
Versteeg, A.A., see Verheul, A.F.M. (126) 79
Vetterlein, D., see Sias, P.E. (132) 73
Vince, G.S., Starkey, P.M., Jackson, M.C., Sargent, I.L. and Redman, C.W.G.
Flow cytometric characterisation of cell populations in human pregnancy decidua and isolation of decidual macrophages (132) 181
Visser, L., see Verschoor, J.A. (127) 43
Vitetta, E.S., see Ghetie, V. (126) 135
Vogel, C.-W., see Kusterbeck, A.W. (135) 191
Volanakis, J.E., see Pascual, M. (127) 263
Volta, U., see Fusconi, M. (130) 1
Von Baehr, R., see Porstmann, T. (127) 1
Von Wichert, P., see Pankow, W. (129) 127
Vorberg, E. and Bundle, D.R.
Carbohydrate-enzyme conjugates for competitive EIA (132) 81
Vos, Q., Claassen, E. and Benner, R.
Substantially increased sensitivity of the spot-ELISA for the detection of anti-insulin antibody-secreting cells using a capture antibody and enzyme-conjugated insulin (126) 89

W

Wacher, M.P., Krutzsch, H.C., Liotta, L.A. and Stetler-Stevenson, W.G.
Development of a novel substrate capture immunoassay for the detection of a neutral metalloproteinase capable of degrading basement membrane (type IV) collagen (126) 239
Wadhwa, M., Thorpe, R., Bird, C.R. and Gearing, A.J.H.
Production of polyclonal and monoclonal antibodies to human granulocyte colony-stimulating factor (GCSF) and development of immunoassays (128) 211
Waer, M., see Leenaerts, P.L. (130) 163
Waer, M., see Leenaerts, P.L. (130) 73
Wagner, K., see Smith, M.C. (131) 55
Wall, R.A., see Davies, R.L. (134) 215
Waltenbaugh, C., see Schwan, W.R. (126) 247
Warden, B.A., Sentissi, A., Ehrat, M., Cecchini, D.J., Alam, K. and Giese, R.W.
Chromatographic enzyme immunoassay for T-2 toxin (131) 77
Warner, J., see Carini, C. (127) 221
Watanabe, S., see Ohi, H. (131) 71
Watson, J.V., see Wing, M.G. (126) 21
Wawrzynczak, E.J., see Cumber, A.J. (135) 15
Weare, J.A., see Wolf-Rogers, J. (133) 191
Webster, H.V., Bone, A.J., Webster, K.A. and Wilkin, T.J.
Comparison of an enzyme-linked immunosorbent assay (ELISA) with a radioimmunoassay (RIA) for the measurement of rat insulin (134) 95
Webster, J., see Zola, H. (135) 247
Webster, K.A., see Webster, H.V. (134) 95
Webster, R.G., see Lambré, C.R. (135) 49
Wedderburn, N., see Johnston, D.A. (127) 187
Weiblen, B.J., Schumacher, R.T. and Hoff, R.
Detection of IgM and IgA HIV antibodies after removal of IgG with recombinant protein G (126) 199
Weil, G.J., see Ryan, T.C. (130) 223
Weiler, J.M., see Edens, R.E. (133) 67
Wellman, M., see Varasteh, A. (128) 203
Wemhoff, G.A., see Kusterbeck, A.W. (135) 191
Wen, D.-R., see Saito, H. (134) 121
Wesolowski Jr., J.S., see Reilly, E.B. (126) 273
West, J., see Phipps, D.C. (135) 121
Westerdaal, N.A.C., see Verheul, A.F.M. (126) 79
Westermann, J., see Willführ, K.U. (130) 201
Weston, S.A. and Parish, C.R.
New fluorescent dyes for lymphocyte migration studies. Analysis by flow cytometry and fluorescence microscopy (133) 87
Whicher, J.T., see Banks, R.E. (126) 13
Whitehurst, C.E., Day, N.K. and Gengozian, N.
Sugar competition assays reveal high affinity receptors for *Erythrina cristigalli* lectin on feline monocytes (131) 15
Whiting, C.V. and Bland, P.W.
An immunoassay for the quantitation of cell membrane MHC class II antigen (133) 169
Whittle, H., see Lisse, I.M. (129) 49
Whyte, R., see Ramjeesingh, M. (133) 159
Wiedermann, C.J., Niedermühlbichler, M., Bilgeri, R., Zilian, U. and Konwalinka, G.
Analysis of proliferation and terminal differentiation of HL-60 human promyelocytic leukemia cells by a rapid colorimetric assay (128) 147
Wieslander, J., see Rasmussen, N. (127) 139
Wietschke, R., see Porstmann, T. (127) 1
Wijnen, J.T., see Dinjens, W.N.M. (126) 175

Wiker, H.G. and Harboe, M.
Integration of monoclonal antibodies in quantitative immunoelectrophoresis by indirect immunoprecipitation (132) 127
Wilkin, T.J., see Webster, H.V. (134) 95
Wilkinson, R.A., see Morrel, E.M. (130) 39
Will, H., see Zacharias, U. (130) 81
Willemze, R., see Bruynzeel, I. (132) 51
Willführ, K.U., Hirschfeld, U., Westermann, J. and Pabst, R.
The in vitro lymphocyte/endothelium binding assay. An improved method employing light microscopy (130) 201
Williams, P., see Sumar, N. (131) 127
Williamson, M.L., see Blanchard, G.C. (130) 263
Wiltrout, R.H., see Pilaro, A.M. (135) 213
Winchester, R., see Buyon, J.P. (129) 207
Wing, M.G., Montgomery, A.M.P., Songsivilai, S. and Watson, J.V.
An improved method for the detection of cell surface antigens in samples of low viability using flow cytometry (126) 21
Wischik, C.M., see Harrington, C.R. (134) 261
Witmer-Pack, M.D., see Crowley, M.T. (133) 55
Wlasik, T., see Karawajew, L. (129) 277
Wolf-Rogers, J., Weare, J.A., Rice, K., Robertson, E.F., Guidinger, P., Khalil, O.S. and Madsen, G.
A chemiluminescent, microparticle-membrane capture immunoassay for the detection of antibody to hepatitis B core antigen (133) 191
Wong, W.L.T., see Sias, P.E. (132) 73
Woo, L., see Scuderi, P. (128) 119
Wood, W.G., Steinhoff, J. and Fricke, H.
Relative molecular mass influences the results obtained when determining urinary proteins by laser nephelometry (131) 151
Wu, Y.-W., see Knazek, R.A. (127) 29
Wuillemin, W.A., Furlan, M. and Lämmle, B.
A quantitative dot immunobinding assay for coagulation factor XII in plasma (130) 133
Würzner, R., Oppermann, M., Zierz, R., Baumgarten, H. and Götze, O.
Determination of the epitope specificities of monoclonal antibodies using unprocessed supernatants of hybridoma cultures (126) 231

X

Xu, R.-j. and Gu, Y.
Detection of circulating immune complexes with polyethylene glycol precipitation $F(ab')_2$ anti-C_3 ELISA (135) 225

Y

Yajima, H., see Takeyama, M. (130) 217
Yamada, H., see Matsumoto, T. (129) 283
Yamamoto, S., see Saito, H. (134) 121
Yamamoto, T., see Saito, H. (134) 121
Yamashita, K., see Kodama, S. (127) 103
Yancey, E.P., see English, P.A. (135) 285
Yannelli, J.R., Crumpacker, D.B., Good, R.W., Friddell, C.D., Poston, R., Horton, S., Maleckar, J.R. and Oldham, R.K.
Use of anti-CD3 monoclonal antibody in the generation of effector cells from human solid tumors for use in cancer biotherapy (130) 91
Yano, T., see Murata, M. (129) 89
Yarmush, M.L., see Morrel, E.M. (130) 39
Yasumoto, K., see Murata, M. (129) 89
Yasunaga, F., see Takeyama, M. (130) 217
Yeager, D.A., see Kusterbeck, A.W. (135) 191
Yip, T.-T., see Hutchens, T.W. (128) 89
Yonish-Rouach, E., Shinitzky, M. and Rubinstein, M.
A method for preparing biologically active aqueous cyclosporin A solutions avoiding the use of detergents or organic solvents (135) 147
Yoshida, H., see Choi, N.-H. (131) 159
Yoshida, S. and Reichlin, M.
A radioimmunoassay for antibodies to the Ro/SSA particle (131) 113
Yoshinaga, K., see Ootaka, T. (131) 183
Yoshinaga, K., see Seino, J. (128) 101
Young, J.D.-E., Jiang, S., Liu, C.-C. and Hasselkus-Light, C.S.
Anti-idiotypic antibodies derived against C8, C9 and perforin bind homologous restriction factor (128) 133
Young, J.D.-E., see Jiang, S. (126) 29
Young, N.M., see Meikle, P.J. (132) 255
Ytterström, U., see Hammar, E. (128) 51

Z

Zacharias, U., Handschack, W., Schneider, F., Löster, K., Kleitke, C., Noll, F. and Will, H.
Inhibition of urokinase activity and prevention of urokinase receptor binding by monoclonal antibodies (130) 81
Zaninetta, D., see Zwickl, M. (130) 49
Zauli, D., see Fusconi, M. (130) 1
Zegers, N., Gerritse, K., Deen, C., Boersma, W. and Claassen, E.
An improved conjugation method for controlled covalent coupling of synthetic peptides to proteins using glutaraldehyde in a dialysis method (130) 195

Zegers, N.D., see Deen, C. (129) 119
Zierz, R., see Würzner, R. (126) 231
Zilian, U., see Wiedermann, C.J. (128) 147
Zimmermann, U., Gessner, P., Schnettler, R., Perkins, S. and Foung, S.K.H.
Efficient hybridization of mouse-human cell lines by means of hypo-osmolar electrofusion (134) 43
Zimmermann, U., see Foung, S. (134) 35
Zola, H., Neoh, S.H., Mantzioris, B.X., Webster, J. and Loughnan, M.S.
Detection by immunofluorescence of surface molecules present in low copy numbers. High sensitivity staining and calibration of flow cytometer (135) 247
Zollinger, W.D., see Ruegg, C.L. (135) 101
Zomerdijk, T.P.L., see Nibbering, P.H. (129) 143
Zuk, R.F., see Olson, J.D. (134) 71
Zwickl, M., Zaninetta, D., McMaster, G.K. and Hardman, N.
Selective cloning of B cell hybridoma-specific rearranged immunoglobulin gene loci using the polymerase chain reaction (130) 49
Zywulko, M., see Ramjeesingh, M. (133) 159

Subject Index
Volumes 126–135
1990

A

Acid extraction
IgE synthesis; IgE, preformed (Gamkrelidze, A. (130) 9)

Acridine orange
7-Amino-4-methylcoumarin-3-acetic acid; Flow cytometry; Triple color immunofluorescence (Aubry, J.-P. (128) 39)

Activated nitrocellulose
Covalent linkage; Peptide; Immunoblot; Chromatography, thin-layer; Angiotensin; Human immunodeficiency virus (Lauritzen, E. (131) 257)

Acute lymphoblastic leukemia
Flow cytometry; Minimal residual disease; Terminal deoxynucleotidyl transferase (Gore, S.D. (132) 275)

Acute myeloid leukemia
Monoclonal antibody; ELISA; Manganese-superoxide dismutase; Acute myocardial infarction; Hepatoma; Gastric cancer (Kawaguchi, T. (127) 249)

Acute myocardial infarction
Monoclonal antibody; ELISA; Manganese-superoxide dismutase; Hepatoma; Gastric cancer; Acute myeloid leukemia (Kawaguchi, T. (127) 249)

Acute phase proteins
ELISA; Hepatoma cell; Hepatocyte (Ikawa, M. (134) 101)

Adenosine deaminase complexing protein
Polyclonal antibody; Monoclonal antibody; Solid-phase adsorption; Routine immunohistochemistry (Dinjens, W.N.M. (126) 175)

Adenovirus type 41
Detection of enteric adenovirus; Latex agglutination method (Sanekata, T. (127) 235)

Adherence
Neutrophil; Leukocyte integrin; Flow cytometry; Expression (Forsyth, K.D. (128) 159)

Polymorphonuclear leukocyte; Endothelial cell; Tumor necrosis factor; Electronic particle sizing (McFaul, S.J. (130) 171)

Adhesion assay
Cell-cell interaction; Spectophotometric quantification (Bruynzeel, I. (132) 51)

Adoptive immunotherapy
Lymphokine-activated killer cell; Interleukin-2, recombinant; Cell culture; Cell culture apparatus (Murata, M. (129) 89)

Adsorption equilibrium
Chromatography, immunoaffinity; Peptide immunization; Histidine; Amino acid replacement (Sada, E. (130) 33)

Affinity
Specific IgG; Multiple sclerosis (Luxton, R.W. (131) 277)

Affinity constant
Enzyme glycoconjugate; Direct competitive EIA; Carbohydrate epitope mapping (Vorberg, E. (132) 81)

Anti-fluorescein isothiocyanate; Affinity purification; 7-Hydroxy coumarin-3-acetic acid (Samuel, D. (133) 133)

Affinity filter
Glycosphingolipid; Monoclonal immunoglobulin; Immunoblot; Neuropathy (Jauberteau, M.O. (134) 107)

Affinity maturation
Hybridoma; Monoclonal antibody; Colony replica assay; Bacterial expression system; Yeast expression system (Gherardi, E. (126) 61)

Affinity purification
Anti-peptide antibody; Growth hormone receptor; HLA class II β chain molecule (Karlsen, A. (128) 151)

Anti-fluorescein isothiocyanate; 7-Hydroxy coumarin-3-acetic acid; Affinity constant (Samuel, D. (133) 133)

Agarose
Chromatography, affinity; Complement; C3b (Edens, R.E. (133) 67)

Agarose gel
Immune complex; Isoelectric focusing; Urea; (Antigen); (Antibody) (Hoffman, W.L. (132) 103)

Agglutination kinetic
Latex agglutination immunoassay; Polymer latex particle (Kondo, A. (135) 111)

AIDS
CD4; Detection; Flow cytometry; T cell; Monocyte (Filion, L.G. (135) 59)

Albumin
Quantitative autoradiography; Iodine radioisotope; Polyclonal antibody; *Escherichia coli* infection (Morrel, E.M. (130) 39)

Aldehyde
ELISA; Polystyrene; Covalent binding; Membrane protein; Detergent (Lutz, H.U. (129) 211)

Alkaline phosphatase
Rate constant; Monoclonal antibody; Enzyme immunoinhibition; Graphical determination; Antibody-antigen interaction (Cumme, G.A. (128) 241)

Bromodeoxyuridine; Double labeling (Murdoch, A. (132) 45)

Allele-specific amplification
Polymerase chain reaction; HLA-DP typing (Fugger, L. (129) 175)

Allergen
Western blot; Blocking agent; Non-specific binding; *Ixodes holocyclus* (Gauci, M. (126) 51)

Alloantibody
Flow cytometry; Major histocompatibility complex antigen (Leenaerts, P.L. (130) 73)

Allotype
Hemolytic plaque size; Rapid sizing; Antibody feedback; IgM; IgG; Primary immunization; Secondary immunization; Red blood cell, sheep; Red blood cell, burro; Trinitrophenyl (Dresser, D.W. (129) 1)

Alternative pathway (of complement)
Complement inhibitor; Factor D; Monoclonal antibody (Pascual, M. (127) 263)

Alveolar macrophage
Cytophotometry; Immunofluorescence; HLA-DR antigen; Monoclonal antibody (Pankow, W. (129) 127)

Alzheimer's disease
ELISA, competitive; Paired helical filament; Tau protein; Neurodegeneration (Harrington, C.R. (134) 261)

Amastigote
Leishmania; Macrophage; Receptor; Binding assay (Mosser, D.M. (130) 235)

Amino acid replacement
Chromatography, immunoaffinity; Peptide immunization; Adsorption equilibrium; Histidine (Sada, E. (130) 33)

7-Amino-4-methylcoumarin-3-acetic acid
Acridine orange; Flow cytometry; Triple color immunofluorescence (Aubry, J.-P. (128) 39)

Aminotriazole
Myeloperoxidase; Eosinophil peroxidase; Tetramethylbenzidine; Dapsone; CETAB (Bozeman, P.M. (126) 125)

I-A molecule
Histocompatibility molecule; Major histocompatibility complex (Luescher, I.F. (135) 233)

Anamnestic
IgG1; IgE; IgA; ELISPOT; Suppressor cell; Natural suppressor cell; Penicillin (Smith, M.C. (131) 55)

Angiotensin
Covalent linkage; Activated nitrocellulose; Peptide; Immunoblot; Chromatography, thin-layer; Human immunodeficiency virus (Lauritzen, E. (131) 257)

Angiotensin converting enzyme
Enzyme immunoassay; Lisinopril; Captopril (Stevens, J. (132) 263)

Angiotensin II
Immobilization; ELISA; Synthetic peptide; CovaLink; HIV-2 (Søndergård-Andersen, J. (131) 99)

Animal model
Tolerance; Auto-antibody; Autoimmune disease (Mundlos, S. (127) 279)

Anti-ABO blood group antibody
ELISA, cellular; Anti-HLA antibody; Monoclonal antibody; Epstein-Barr virus transformation (Arunachalam, B. (135) 181)

Anti-actin antibody
Smooth muscle antibody; Autoimmune hepatitis; Chronic liver disease; Immunofluorescence (Fusconi, M. (130) 1)

Anti-albumin
Liposome; Micro-albumin; Radioimmunoassay; Solid phase; Sulforhodamine B (Frost, S.J. (134) 207)

Antibody
Chemiluminescent enzyme immunoassay; Xanthine oxidase; Hapten (Fert, V. (131) 237)

Antibody-antigen affinity
ELISA; Capsular polysaccharide; *Haemophilus influenzae* (Hetherington, S. (131) 195)

Antibody-antigen interaction
Rate constant; Monoclonal antibody; Enzyme immunoinhibition; Alkaline phosphatase; Graphical determination (Cumme, G.A. (128) 241)

Antibody-antigen kinetics
ELISA; Electrochemical detection; Rotating disk; Mass transfer control (Huet, D. (135) 33)

Antibody-coated erythrocyte rosetting
Fc receptor, human; Flow cytometric assay (Tuijnman, W.B. (127) 207)

Antibody feedback
Hemolytic plaque size; Rapid sizing; Allotype; IgM; IgG; Primary immunization; Secondary immunization; Red blood cell, sheep; Red blood cell, burro; Trinitrophenyl (Dresser, D.W. (129) 1)

Antibody, rabbit
Specificity; IgM; IgG; Enzyme immunoassay; Double antibody method (Tanimori, H. (129) 233)

Antibody reactivity
ELISA; Lentivirus; Protein blot; Immunoassay; Monoclonal antibody (Lo, W.-C.J. (128) 17)

Antibody response
Synthetic peptide; Covalent coupling; Neodeterminant; Immunization (Deen, C. (129) 119)

ELISA; pH; Pneumococcal polysaccharide; Isotype distribution (Elkins, K.L. (130) 123)

Antibody-secreting cell
ELISA, spot-; Anti-insulin antibody; IgG isotype (Vos, Q. (126) 89)

ELISA-plaque assay; Insulin epitope; Biotin-insulin (Schliebs, B. (126) 169)

ELISA, spot-; Interferon antibody; Hybridoma; Nitrocellulose (Prümmer, O. (130) 187)

ELISA, spot-; ELISA; Mesenteric lymph node; Coronavirus; (Pig) (Berthon, P. (131) 173)

Antibody to interferon
Antiviral neutralization bioassay; Microculture tetrazolium assay; MTT (Hansen, M.B. (127) 241)

Anti-bromodeoxyuridine
Flow cytometry; Cell cycle analysis; Exonuclease III denaturation; Cell surface antigen (Bayer, J.A. (132) 13)

Anti-DNA antibody
Systemic lupus erythematosus; ELISA (Emlen, W. (132) 91)

Anti-fluorescein isothiocyanate
Affinity purification; 7-Hydroxy coumarin-3-acetic acid; Affinity constant (Samuel, D. (133) 133)

Antigen 5
Echinococcosis; Monoclonal antibody; Protein epitope; Hydatid patient serum; Immunodiagnosis (Chamekh, M. (134) 129)

Antigen-antibody complex
Dissociation constant; ELISA; Monoclonal antibody; Polyclonal antiserum (Kim, B.B. (131) 213)

Antigen-antibody dissociation constant
Antigen binding model; Immunoassay (Hoylaerts, M.F. (126) 253)

Antigen binding model
Antigen-antibody dissociation constant; Immunoassay (Hoylaerts, M.F. (126) 253)

Antigen detection
Plasmodium falciparum; Immunoblot; Fusion protein; Factor Xa protease cleavage (Scherf, A.'(128) 81)

Tuberculosis; Latex agglutination (Cambiaso, C.L. (129) 9)

Antigenic determinant
Monoclonal antibody; Carcinoembryonic antigen; Immunoassay (Börmer, O.P. (127) 171)

Antigen non-specific binding
Immunoglobulin isotype; Enzyme immunoassay; False positive (Pearce-Pratt, R. (130) 65)

Antigen presentation
Vaccine; Peptide-proteosome complexes; Immunogenicity; Malaria; Synthetic peptide (Ruegg, C.L. (135) 101)

Antigen presenting cell
Fluorescence-activated cell sorter; Dendritic cell; Monoclonal antibody; Mixed leukocyte reaction; Spleen (Crowley, M.T. (133) 55)

Antigen specific immune complexes
Detection and quantification; ELISA (Schetters, H. (134) 113)

Antigen specificity
T lymphocyte clone, human; Monoclonal antibody, anti-CD3; Monoclonal antibody, anti-CD28 (Riddell, S.R. (128) 189)

Anti-globulin
ELISA; Monoclonal antibody; Anti-idiotype; Transplantation (Cobbold, S.P. (127) 19)

Anti-G1M F
Monoclonal antibody; GM allotyping; ELISA; Dot immunobinding (Tamaki, Y. (128) 75)

Anti-hapten response
Spot ELISA modification; ELISA plaque; ELISPOT (Greene, G. (129) 187)

Anti-hepatitis B core antigen
Chemiluminescence; Microparticle; Immunoassay (Wolf-Rogers, J. (133) 191)

Anti-histone antibody
ELISA; Histone; Subnucleosome; Bicinchoninic acid (Burlingame, R.W. (134) 187)

Anti-HLA antibody
ELISA, cellular; Anti-ABO blood group antibody; Monoclonal antibody; Epstein-Barr virus transformation (Arunachalam, B. (135) 181)

Anti-idiotype
Hepatitis B surface antigen; Monoclonal antibody (Kim, W.B. (126) 119)

Immunoreactive fraction; Chromatography, affinity (Temponi, M. (126) 223)

ELISA; Anti-globulin; Monoclonal antibody; Transplantation (Cobbold, S.P. (127) 19)

Muramyl dipeptide; Myeloma protein (Eggers, A.E. (133) 71)

Monoclonal antibody, human; Melanoma; Ganglioside; Immunohistochemistry (Saito, H. (134) 121)

Anti-idiotypic antibody
Complement; Cytolysis; Protection; Membrane restriction; Perforin; Pore-forming protein (Young, J.D.-E. (128) 133)

Lipopolysaccharide; Lipid A; Monoclonal antibody (Cornelissen, J.J. (130) 141)

Yeast killer toxin; Cell wall receptor; Immunofluorescence (Polonelli, L. (132) 205)

Anti-insulin antibody
ELISA, spot-; Antibody-secreting cell; IgG isotype (Vos, Q. (126) 89)

Anti-La/SS-B
Anti-Ro/SS-A; ELISA; Immunoblot; RNA precipitation; Counterimmunoelectrophoresis (Meilof, J.F. (133) 215)

Antimicrobial activity
Diphenylene iodonium; Macrophage; Hydrogen peroxide; *Toxoplasma* (Robertson, A.K. (133) 175)

Anti-neuraminidase
Neuraminidase; Lectin assay (Lambré, C.R. (135) 49)

Anti-neutrophil cytoplasm antibody
ELISA; α-Granule; Wegener's granulomatosis (Rasmussen, N. (127) 139)

Antinuclear antibody
Immunoblot; Autoimmune disease; Tween 20; Sodium dodecyl sulfate (Van Dam, A.P. (129) 63)

Proliferating cell nuclear antigen; Cyclin; Monoclonal antibody; Cell proliferation; ELISA (Takasaki, Y. (132) 227)

Anti-peptide antibody
Affinity purification; Growth hormone receptor; HLA class II β chain molecule (Karlsen, A. (128) 151)

Anti-peptide antiserum
Transforming growth factor β (Van den Eijnden-Van Raaij, A.J.M. (133) 107)

Anti-platelet-activating factor
Platelet-activating factor radioimmunoassay; Platelet-activating factor; Quantitation of platelet-activating factor (Smal, M.A. (128) 183)

Anti-protein A
Protein A; ELISA; Plasma, human; Heat denaturation (Nilsson, R. (135) 77)

Anti-Ro/SS-A
Anti-La/SS-B; ELISA; Immunoblot; RNA precipitation; Counterimmunoelectrophoresis (Meilof, J.F. (133) 215)

Anti-Ro/SSA antibody
Radioimmunoassay (Yoshida, S. (131) 113)

Anti-spermine
Covalent enzyme-linked immunoassay; Free antibody; Immune complex (Roch, A.M. (133) 1)

Anti-thyroid stimulating hormone
Thyroid stimulating hormone; Glycoprotein hormone; Monoclonal antibody; Thyroid stimulating epitope (Braun, J.M. (132) 197)

Antiviral neutralization bioassay
Antibody to interferon; Microculture tetrazolium assay; MTT (Hansen, M.B. (127) 241)

Apolipoprotein B
Monoclonal antibody; Auto-antibody; Low density lipoprotein; Epstein-Barr virus; (Primate); (Baboon); (Macaque); (Monkey); (*Papio*) (Sharp, R.M. (126) 287)

Arthritis
ELISA; α_2 Macroglobulin-proteinase complex; Clinical assay; Pancreatitis; Monoclonal antibody (Banks, R.E. (126) 13)

Ascites
Monoclonal antibody production; Freund's incomplete adjuvant; Pristane (Jones, S.L. (129) 227)

In vivo cell proliferation method; Heterohybridoma; Monoclonal anti-mouse IgE; (Hamster) (Kayano, T. (130) 25)

Association constant
ELISA; Monoclonal antibody (Murray, J.S. (127) 25)

Biotin-polysaccharide conjugate; Enzyme immunoassay; Monoclonal antibody (Meikle, P.J. (132) 255)

Atrazine
ELISA; Monoclonal antibody; Hapten-nylon conjugate; Solid-phase coating antigen (Verschoor, J.A. (127) 43)

Auto-antibody
Monoclonal antibody; Low density lipoprotein; Apolipoprotein B; Epstein-Barr virus; (Primate); (Baboon); (Macaque); (Monkey); (*Papio*) (Sharp, R.M. (126) 287)

Tolerance; Autoimmune disease; Animal model (Mundlos, S. (127) 279)

SDS-PAGE; SSA/Ro, 52 kDa; SSB/La, 48 kDa (Buyon, J.P. (129) 207)

Autoimmune disease
Tolerance; Auto-antibody; Animal model (Mundlos, S. (127) 279)

Immunoblot; Antinuclear antibody; Tween 20; Sodium dodecyl sulfate (Van Dam, A.P. (129) 63)

Autoimmune hepatitis
Smooth muscle antibody; Anti-actin antibody; Chronic liver disease; Immunofluorescence (Fusconi, M. (130) 1)

Avidin
Biotin; Streptavidin; Fluorescence; Immunoassay (Der-Balian, G.P. (126) 281)

Streptavidin; Biotin; Dissociation rate constants (Piran, U. (133) 141)

Immunogenic peptide; T cell response; MHC class II; Direct binding assay; (Methods); (Review) (Busch, R. (134) 1)

Avidin-biotinyl-peptide complex
Peptide antibody; Polymer-peptide conjugate; Kinin; Bradykinin; ELISA (Anumula, K.R. (135) 199)

Avidity
Monoclonal antibody, human/murine; Protective antibody; Conjugate vaccine (Bruderer, U. (133) 263)

B

c-*erb*B-2
HER2/*neu*; ELISA; Bioassay (Sias, P.E. (132) 73)

Bacteria concentration fluorescence immunoassay
Escherichia coli; Monoclonal antibody (Schwan, W.R. (126) 247)

Bacterial expression system
Hybridoma; Monoclonal antibody; Colony replica assay; Affinity maturation; Yeast expression system (Gherardi, E. (126) 61)

Bacterial lysate
Two-dimensional electrophoresis; Mycobacterium; Electroelution; T cell antigen (Gulle, H. (133) 253)

Bactericidal
Monocyte; Mycobacteria; Radioassay (Blanchard, D.K. (133) 285)

Bactericidal assay
Neisseria gonorrhoeae; Normal human serum (Pettit, R.K. (129) 15)

Baculovirus
Interleukin-4; Interleukin-5; Cytokine, murine (Rodewald, H.-R. (132) 221)

Bandeiraea* (*Griffonia*) *simplicifolia-1
IgD, murine; N-linked carbohydrate; Lectin (Oppenheim, J.D. (130) 243)

***Bandeiraea simplicifolia* lectin**
Ricinus communis agglutinin; Glycosylation; IgG; Rheumatoid arthritis (Sumar, N. (131) 127)

Basophil
IgE; Monoclonal antibody; Rosette; Fc_ε RI; Histamine (Schroeder, J.T. (133) 269)

B cell
Biologic assay; Interleukin-4; Lymphokine; Immunotherapy; Particle concentration fluorescence immunoassay (Custer, M.C. (128) 109)

B cell activation
Immunoliposome; B cell growth factor (Furukawa, K. (131) 105)

B cell growth factor
Immunoliposome; B cell activation (Furukawa, K. (131) 105)

Hybridoma, human × human; Monoclonal antibody, human; Tumor cell (Hagiwara, H. (135) 263)

B cell, human
$CD5^+$; Plaque-forming cell; Dynabeads (Jones, B.M. (132) 119)

B cell stimulatory factor
Interleukin-4; Bioassay; Flow cytometry (Siegel, J.P. (132) 287)

B chronic lymphocytic leukemia
Transfection; Chloramphenicol acetyltransferase assay; Immunofluorescence; B lymphocyte (Buschle, M. (133) 77)

Bee venom phospholipase A_2
Suppressor T cell factor; Lipocortin; IgE-binding factor (Carini, C. (127) 221)

Benzoporphyrin derivative
Photosensitizer conjugation; Phototoxicity; Polyvinyl alcohol; Monoclonal antibody (Jiang, F.N. (134) 139)

Bicinchoninic acid
ELISA; Histone; Subnucleosome; Anti-histone antibody (Burlingame, R.W. (134) 187)

Big-endothelin-1
Endothelin-1; Enzyme immunoassay, sandwich; Plasma level (Suzuki, N. (127) 165)

Binding
Quantification; Endocytosis; Flow cytometry (Torres, J.M. (134) 163)

Binding assay
Leishmania; Amastigote; Macrophage; Receptor (Mosser, D.M. (130) 235)

Bioassay
HER2/*neu*; c-*erb*B-2; ELISA (Sias, P.E. (132) 73)

Interleukin-4; B cell stimulatory factor; Flow cytometry (Siegel, J.P. (132) 287)

Interleukin-1; Inhibitor; Polyethylene glycol (Hopkins, S.J. (133) 127)

Interleukin-1; Cytokine (Vandenabeele, P. (135) 25)

Tumor necrosis factor; Plasma; Serum; (Murine) (Holobaugh, P.A. (135) 95)

Biologic assay
Interleukin-4; Lymphokine; Immunotherapy; B cell; Particle concentration fluorescence immunoassay (Custer, M.C. (128) 109)

Biosensor
Immunoassay; Fluoroimmunoassay; Continuous flow; Hapten (Kusterbeck, A.W. (135) 191)

Biotherapy
Interleukin-2; Tumor-derived activated cell; OKT3 (Yannelli, J.R. (130) 91)

Biotin
Avidin; Streptavidin; Fluorescence; Immunoassay (Der-Balian, G.P. (126) 281)

Interleukin-1β; Interleukin-1 receptor; Fluorescence-activated cell sorter; Internalization (Chollet, A. (127) 179)

Liposome; Streptavidin; Targeted-liposome (Loughrey, H.C. (132) 25)

Streptavidin; Avidin; Dissociation rate constants (Piran, U. (133) 141)

Sensor; Immunoassay; Streptavidin; Light addressable potentiometric sensor; Filtration (Olson, J.D. (134) 71)

Biotin-insulin
ELISA-plaque assay; Antibody-secreting cell; Insulin epitope (Schliebs, B. (126) 169)

Biotin-polysaccharide conjugate
Association constant; Enzyme immunoassay; Monoclonal antibody (Meikle, P.J. (132) 255)

Biotinylated polysaccharide
ELISA; ELISPOT assay; *Streptococcus pneumoniae* type 14 (Verheul, A.F.M. (126) 79)

Bispecific antibody
Hybridoma, hybrid; Fluorescence-activated cell sorter; Hoechst 33342 (Karawajew, L. (129) 277)

Blocking agent
Western blot; Non-specific binding; *Ixodes holocyclus*; Allergen (Gauci, M. (126) 51)

Blood eosinophil
Eosinophil isolation; Metrizamide; Percoll; Formylmethionyl-leucylphenylalanine; Immunomagnetic bead (Hansel, T.T. (127) 153)

Blood, human
Neutrophil; Isolation; Priming; Shape change (McFaul, S.J. (130) 15)

Blood leukocyte
Macrophage; Mean cell volume; Coulter counter (Nibbering, P.H. (129) 143)

Blood monocyte, human
Fc receptor; Calibrated flow cytometry; U937 cell (Christensen, J. (132) 211)

Blood smear
Field study; Immunological method; T cell subset (Lisse, I.M. (129) 49)

Blot
Immunoassay; Tetramethylbenzidine; Horseradish peroxidase (McKimm-Breschkin, J.L. (135) 277)

Blotting
Immobilizing matrix; Immunodetection; Immunofiltration; Probe; Polyacrylamide gel (Pinon, J.M. (131) 143)

B lymphocyte
IgE; ELISA, filter spot- (King, C.L. (132) 37)

Transfection; Chloramphenicol acetyltransferase assay; Immunofluorescence; B chronic lymphocytic leukemia (Buschle, M. (133) 77)

B16 melanoma
Lymphokine-activated killer cell; ^{51}Cr release assay; Clonogenic assay (Tzeng, J.-J. (128) 257)

Bone marrow assay
Hematopoietic growth factor; Colorimetric assay; Tetrazolium salt (Kotnik, V. (129) 23)

Bovine CD4$^+$ antigen-specific cell line
Major histocompatibility, complex class II restriction (Glass, E.J. (128) 267)

Bovine serum albumin
Iscom; Quil A; Immunogenicity; Non-amphipathic protein (Morein, B. (128) 177)

Bradykinin
Peptide antibody; Avidin-biotinyl-peptide complex; Polymer-peptide conjugate; Kinin; ELISA (Anumula, K.R. (135) 199)

Brain natriuretic peptide
porcine; Microenzyme immunoassay; β-D-Galactosidase, porcine brain natriuretic peptide-linked; Plasma, porcine; Immunoreactivity, porcine brain natriuretic peptide-like (Takeyama, M. (130) 217)

Branhamella catarrhalis
ELISA; IgG subclass (Goldblatt, D. (128) 219)

Bromodeoxyuridine
Alkaline phosphatase; Double labeling (Murdoch, A. (132) 45)

Bronchoalveolar lavage
Lipocortin 1; ELISA; Sarcoidosis; Inflammation; Glucocorticoid (Smith, S.F. (131) 119)

C

C1 activation
C1 inactivator-C1r-C1s complex; Rheumatoid arthritis; Spondylarthritic syndrome; HLA-B27-associated arthritis (Laurell, A.-B. (129) 55)

C1 inactivator-C1r-C1s complex
C1 activation; Rheumatoid arthritis; Spondylarthritic syndrome; HLA-B27-associated arthritis (Laurell, A.-B. (129) 55)

C2
Complement; Oxy C2; Oxidation (Brickman, C.M. (132) 157)

C3
Cobra venom factor; Complement, mouse; C5 (Van den Berg, C.W. (133) 199)

C3b
Chromatography, affinity; Complement; Agarose (Edens, R.E. (133) 67)

C3bBb-stabilizing activity
C3 nephritic factor; Membranoproliferative glomerulonephritis (Ohi, H. (131) 71)

C3 nephritic factor
C4 nephritic factor; C4b2a stabilization; Membranoproliferative glomerulonephritis; ELISA (Seino, J. (128) 101)

C3bBb-stabilizing activity; Membranoproliferative glomerulonephritis (Ohi, H. (131) 71)

C4b2a stabilization
C4 nephritic factor; C3 nephritic factor; Membranoproliferative glomerulonephritis; ELISA (Seino, J. (128) 101)

C5
Cobra venom factor; Complement, mouse; C3 (Van den Berg, C.W. (133) 199)

Caffeine
ELISA; Cross-reactivity (Fickling, S.A. (129) 159)

Calcitonin gene-related peptide, α and β
Monoclonal antibody (Andrew, D.P. (134) 87)

Calcium
T lymphocyte; Flow cytometry; T cell activation; Fluo-3 (Vandenberghe, P.A. (127) 197)

Calibrated flow cytometry
Fc receptor; Blood monocyte, human; U937 cell (Christensen, J. (132) 211)

Calibration stability
Particle-enhanced turbidimetric immunoassay; Serum β_2 microglobulin (Medcalf, E.A. (129) 97)

Cancer
Transforming growth factor α; ELISA; Monoclonal antibody; Synthetic peptide; Neoantigenicity (Inagaki, H. (128) 27)

Caprylic acid
Immunoglobulin, human (Perosa, F. (128) 9)

Capsular polysaccharide
ELISA; Antibody-antigen affinity; *Haemophilus influenzae* (Hetherington, S. (131) 195)

Captopril
Angiotensin converting enzyme; Enzyme immunoassay; Lisinopril (Stevens, J. (132) 263)

Carbohydrate epitope mapping
Enzyme glycoconjugate; Direct competitive EIA; Affinity constant (Vorberg, E. (132) 81)

Carbohydrate receptor
Mononuclear cell, feline; Monocyte; *Erythrina cristigalli* lectin; Flow cytometry (Whitehurst, C.E. (131) 15)

Carcinoembryonic antigen
Immunometric assay; Flow cytometry; Monodisperse particle; Hook effect (Lindmo, T. (126) 183)

Monoclonal antibody; Antigenic determinant; Immunoassay (Börmer, O.P. (127) 171)

CD4
Immunoconjugate; Ricin A chain; Human immunodeficiency virus (Ghetie, V. (126) 135)

Detection; Flow cytometry; AIDS; T cell; Monocyte (Filion, L.G. (135) 59)

CD4 cell
ELISPOT assay; In vitro IgG synthesis; (Rhesus monkey) (Fellowes, R. (132) 165)

CD4, surface
Radioactive iodination; Sulfosuccinimidyl (hydroxyphenyl) propionate (Portolés, P. (129) 105)

$CD5^+$
B cell, human; Plaque-forming cell; Dynabeads (Jones, B.M. (132) 119)

CD11b
Eosinophil; Eosinophil activation; Colony stimulating factor; Cytokine (Thorne, K.J.I. (133) 47)

CD16-dependent passive immunoselection
Eosinophil purification; Large scale bulk eosinophil isolation (Bach, M.K. (130) 277)

Cell adhesion
Vitronectin; Fibronectin; Monoclonal antibody; Extracellular matrix (Underwood, P.A. (127) 91)

Cell antigen
Flow cytometry; Low viability (Wing, M.G. (126) 21)

Cell attachment and spreading
Macrophage activation; Electrical measurement (Kowolenko, M. (127) 71)

Cell-cell interaction
Lectin; Fc receptor; Hybrid antibody; Surrogate receptor; Cellular cytotoxicity (Peacock, J.S. (126) 147)

Adhesion assay; Spectophotometric quantification (Bruynzeel, I. (132) 51)

Cell culture
Hollow fiber; Tumor infiltrating lymphocyte; Interleukin-2; Lymphocyte (Knazek, R.A. (127) 29)

Lymphokine-activated killer cell; Adoptive immunotherapy; Interleukin-2, recombinant; Cell culture apparatus (Murata, M. (129) 89)

Cell culture apparatus
Lymphokine-activated killer cell; Adoptive immunotherapy; Interleukin-2, recombinant; Cell culture (Murata, M. (129) 89)

Cell culture mycoplasma
Mycoplasma detection; Monoclonal antibody to mycoplasmas (Blazek, R. (131) 203)

Cell cycle analysis
Anti-bromodeoxyuridine; Flow cytometry; Exonuclease III denaturation; Cell surface antigen (Bayer, J.A. (132) 13)

Cell death
Cytotoxic and cytostatic effects; TNF; Ethidium bromide fluorescence (Beletsky, I.P. (134) 201)

Cell fixation
Glutaraldehyde; ELISA; Microtiter plate (Carroll, K. (129) 71)

Cell-mediated lympholysis assay
Cultured keratinocyte; Cytotoxic T lymphocyte (De Bueger, M.M. (127) 117)

Cell migration
Endothelial cell; Cell proliferation; β-Endorphin; Endothelial growth factor (Fischer, E.G. (128) 235)

Cell proliferation
Endothelial cell; Cell migration; β-Endorphin; Endothelial growth factor (Fischer, E.G. (128) 235)

Proliferating cell nuclear antigen; Cyclin; Monoclonal antibody; Antinuclear antibody; ELISA (Takasaki, Y. (132) 227)

Cell separation
Nycodenz; Gradient centrifugation; Macrophage, peritoneal; Mononuclear leukocyte; Polymorphonuclear leukocyte; Phagocytosis; Nonspecific esterase; (Rat) (Fisker, S. (133) 31)

Cell surface antigen
Macrophage activation; ELISA, quantitative cell (Nibbering, P.H. (131) 25)

Anti-bromodeoxyuridine; Flow cytometry; Cell cycle analysis; Exonuclease III denaturation (Bayer, J.A. (132) 13)

Cellular cytotoxicity
Lectin; Fc receptor; Hybrid antibody; Surrogate receptor; Cell-cell interaction (Peacock, J.S. (126) 147)

Cell wall receptor
Yeast killer toxin; Anti-idiotypic antibody; Immunofluorescence (Polonelli, L. (132) 205)

CETAB
Myeloperoxidase; Eosinophil peroxidase; Tetramethylbenzidine; Aminotriazole; Dapsone (Bozeman, P.M. (126) 125)

Chamber
Perfusion; Macrophage; Intracellular calcium; NAD(P)H; Fluorescence (Ince, C. (128) 227)

Checkerboard immunoblotting
Immunoassay; Cholera toxin; Cross-reactions (Kazemi, M. (128) 143)

Chemiluminescence
Microparticle; Immunoassay; Anti-hepatitis B core antigen (Wolf-Rogers, J. (133) 191)

Chemiluminescent enzyme immunoassay
Xanthine oxidase; Hapten; Antibody (Fert, V. (131) 237)

Chemotaxis
Lymphocyte migration; Large granular lymphocyte, rat (Pilaro, A.M. (135) 213)

Chicken ovalbumin
Cytotoxic T lymphocyte; Helper T cell (Sambhara, S.R. (130) 101)

Chimerism
Primed lymphocyte cytotoxicity assay; Detection of allogeneic cells (Richardson, J.C. (127) 79)

Polyclonal antiserum; Flow cytometry; (Rodent) (Leenaerts, P.L. (130) 163)

Chloramphenicol acetyltransferase assay
Transfection; Immunofluorescence; B lymphocyte; B chronic lymphocytic leukemia (Buschle, M. (133) 77)

Cholera toxin
Checkerboard immunoblotting; Immunoassay; Cross-reactions (Kazemi, M. (128) 143)

Chondroitin sulfate E
Monoclonal antibody; ELISA; Pentosan polysulfate; Dextran sulfate; Glycosaminoglycan polysulfate (Kongtawelert, P. (126) 39)

Choriogonadotropin
Latex agglutination; Non-isotopic immunoassay; Particle counting (Halflants, M. (134) 171)

Chromatography
Enzyme immunoassay; Ribonuclease; T-2 toxin; Citraconylation (Warden, B.A. (131) 77)

Chromatography, affinity
IgM; Purification; Complement 1 (Nethery, A. (126) 57)

Anti-idiotype; Immunoreactive fraction (Temponi, M. (126) 223)

Rabies virus glycoprotein; Monoclonal antibody; Chromatography, high performance liquid (Santucci, A. (127) 131)

Lipopolysaccharide; Gram-negative; Immunoglobulin (Tyler, J.W. (129) 221)

Complement; C3b; Agarose (Edens, R.E. (133) 67)

Haptoglobin; Hemoglobin; Monoclonal antibody; Polyclonal antiserum; ELISA (Cerda, S. (134) 51)

Chromatography, high performance liquid
Rabies virus glycoprotein; Monoclonal antibody; Chromatography, affinity (Santucci, A. (127) 131)

Chromatography, high performance liquid immunoaffinity
Immunotoxin; Gelonin; Momordin; Ricin A chain; Ribosome-inactivating protein; Cibacron Blue F3GA (Cumber, A.J. (135) 15)

Chromatography, immunoaffinity
Peptide immunization; Adsorption equilibrium; Histidine; Amino acid replacement (Sada, E. (130) 33)

Chromatography, size exclusion
β_2 Microglobulin; Preparative isolation; Ion exchange (Nelson, S.R. (128) 277)

Chromatography, thin-layer
Covalent linkage; Activated nitrocellulose; Peptide; Immunoblot; Angiotensin; Human immunodeficiency virus (Lauritzen, E. (131) 257)

Chromium release assay
Erythrocyte; Sodium pyruvate (Colsky, A.S. (129) 139)

Chronic granulomatous disease
Dihydrorhodamine 123; Flow microcytofluorometry; Reactive oxygen intermediate; Phagocyte (Emmendörffer, A. (131) 269)

Chronic liver disease
Smooth muscle antibody; Anti-actin antibody; Autoimmune hepatitis; Immunofluorescence (Fusconi, M. (130) 1)

Cibacron Blue F3GA
Immunotoxin; Gelonin; Momordin; Ricin A chain; Ribosome-inactivating protein; Chromatography, high performance liquid immunoaffinity (Cumber, A.J. (135) 15)

Citraconylation
Enzyme immunoassay; Ribonuclease; T-2 toxin; Chromatography (Warden, B.A. (131) 77)

Clinical assay
ELISA; α_2 Macroglobulin-proteinase complex; Pancreatitis; Arthritis; Monoclonal antibody (Banks, R.E. (126) 13)

Cloning
Polymerase chain reaction; Immunoglobulin gene locus (Zwickl, M. (130) 49)

Clonogenic assay
Lymphokine activated killer; Cytokine (Scuderi, P. (128) 119)

Lymphokine-activated killer cell; ^{51}Cr release assay; B16 melanoma (Tzeng, J.-J. (128) 257)

Coagulation
Procoagulant activity; Thromboplastin; Monocyte; Macrophage; Methodology; Endotoxin (Jungi, T.W. (133) 21)

Cobra venom factor
Complement, mouse; C3; C5 (Van den Berg, C.W. (133) 199)

Collagenase inhibitor
Enzyme immunoassay, sandwich; Tissue inhibitor of metalloproteinases; Monoclonal antibody; Rheumatoid arthritis (Kodama, S. (127) 103)

Colony replica assay
Hybridoma; Monoclonal antibody; Affinity maturation; Bacterial expression system; Yeast expression system (Gherardi, E. (126) 61)

Colony stimulating factor
Eosinophil; Eosinophil activation; Cytokine; CD11b (Thorne, K.J.I. (133) 47)

Colored latex
Latex immunoassay; IgM detection; *Salmonella enteritidis*; *Trichinella spiralis* (Lim, P.L. (135) 9)

Colorimetric assay
Hematopoietic growth factor; Bone marrow assay; Tetrazolium salt (Kotnik, V. (129) 23)

MTT tetrazolium salt; Macrophage cytotoxicity; Tumor target (Ferrari, M. (131) 165)

Colostrum
Immunoglobulin; Protein purification; Thiophilic adsorption; (Pig) (Hutchens, T.W. (128) 89)

Common marmoset
Epstein-Barr virus; Feeder cell; Malaria; Monoclonal antibody (Johnston, D.A. (127) 187)

Competition assay
Cytolysis; Perforin (Jiang, S. (126) 29)

Competitive assay
ELISA; Theoretical model; Ovarian cyst glycoprotein blood group activity; Human blood group antigen (Chapman, V. (131) 91)

Complement 1
IgM; Purification; Chromatography, affinity (Nethery, A. (126) 57)

Anti-idiotypic antibody; Cytolysis; Protection; Membrane restriction; Perforin; Pore-forming protein (Young, J.D.-E. (128) 133)

C2; Oxy C2; Oxidation (Brickman, C.M. (132) 157)

Chromatography, affinity; C3b; Agarose (Edens, R.E. (133) 67)

Complement 3
Immune complex; Enzyme immunoassay; Polyethylene glycol (Xu, R.-j. (135) 225)

Complement activation
ELISA; (Mouse) (Morrison, L.J.A. (126) 191)

Complement inhibitor
Factor D; Alternative pathway (of complement); Monoclonal antibody (Pascual, M. (127) 263)

Complement, mouse
Cobra venom factor; C3; C5 (Van den Berg, C.W. (133) 199)

Computer-aided image processing
Immunocytochemistry; Densitometry; Double staining; Immunoglobulin; Ly-1, immune response (Brown, A.R. (130) 111)

Concanavalin A
HIV-1 glycoprotein; ELISA; HIV serology (Robinson, J.E. (132) 63)

Concanavalin A dose-response
T lymphocyte; Proliferation; Suppression; Mathematical model (Nikš, M. (126) 263)

Concanavalin A supernatant
IgM anti-fluorescein antibody; Monoclonal antibody; Hybridoma (Skeath, J.B. (133) 39)

Conjugate
Lymphokine-activated killer cell; Cytofluorometry (Cavarec, L. (130) 251)

Conjugate vaccine
Avidity; Monoclonal antibody, human/murine; Protective antibody (Bruderer, U. (133) 263)

Conjugation
Synthetic peptide; Glutaraldehyde two-step reaction (Zegers, N. (130) 195)

Conjugation method by homobifunctional reagent (DSS)
Tolerogen; Protein conjugate; Peptide conjugate (Borel, H. (126) 159)

Continuous flow
Immunoassay; Fluoroimmunoassay; Biosensor; Hapten (Kusterbeck, A.W. (135) 191)

Cooperative binding
Immunoassay; Hapten heterology; Thyroxine; Triiodothyronine (Piran, U. (133) 207)

Core protein
HIV-1; Western blot; Monoclonal antibody (Liang, C.-M. (132) 57)

Coronavirus
ELISA, spot-; ELISA; Antibody-secreting cell; Mesenteric lymph node; (Pig) (Berthon, P. (131) 173)

Coulter counter
Blood leukocyte; Macrophage; Mean cell volume (Nibbering, P.H. (129) 143)

Counterimmunoelectrophoresis
Anti-Ro/SS-A; Anti-La/SS-B; ELISA; Immunoblot; RNA precipitation (Meilof, J.F. (133) 215)

Covalent binding
ELISA; Polystyrene; Membrane protein; Detergent; Aldehyde (Lutz, H.U. (129) 211)

Covalent coupling
Synthetic peptide; Neodeterminant; Immunization; Antibody response (Deen, C. (129) 119)

Covalent enzyme-linked immunoassay
Anti-spermine; Free antibody; Immune complex (Roch, A.M. (133) 1)

Routine assay; Immune complex; HIV-1; Cytomegalovirus; Serum, human (Thomas, V. (133) 13)

Covalent linkage
Activated nitrocellulose; Peptide; Immunoblot; Chromatography, thin-layer; Angiotensin; Human immunodeficiency virus (Lauritzen, E. (131) 257)

CovaLink
Immobilization; ELISA; Synthetic peptide; Angiotensin II; HIV-2 (Søndergård-Andersen, J. (131) 99)

Crossed immunoelectrophoresis
Monoclonal antibody; Mycobacterial antigen; *Mycobacterium bovis* BCG (Wiker, H.G. (132) 127)

Cross-reactions
Checkerboard immunoblotting; Immunoassay; Cholera toxin (Kazemi, M. (128) 143)

Cross-reactivity
Caffeine; ELISA (Fickling, S.A. (129) 159)

^{51}Cr release assay
Lymphokine-activated killer cell; Clonogenic assay; B16 melanoma (Tzeng, J.-J. (128) 257)

Cryopreserved target
Europium; Cytotoxicity assay; Time-resolved fluorescence (Maley, D.T. (134) 61)

Cryosurgery
Dendritic macrophage; Lymph (Gyure, L.A. (131) 49)

Cultured keratinocyte
Cell-mediated lympholysis assay; Cytotoxic T lymphocyte (De Bueger, M.M. (127) 117)

Culture medium
IgE regulation; Interleukin-4, human; Immunoglobulin synthesis; Iscove's modified Dulbecco's medium (Claassen, J.L. (126) 213)

Culture supernatant screening
ELISA; Monoclonal antibody; Epitope specificity (Würzner, R. (126) 231)

Cu/Zn superoxide dismutase, human
Cu/Zn superoxide dismutase, recombinant; Monoclonal antibody; Polyclonal antibody; Epitope analysis; ELISA, super-rapid; ELISA, two-site; ELISA, additive (Porstmann, T. (127) 1)

Cu/Zn superoxide dismutase, recombinant
Cu/Zn superoxide dismutase, human; Monoclonal antibody; Polyclonal antibody; Epitope analysis; ELISA, super-rapid; ELISA, two-site; ELISA, additive (Porstmann, T. (127) 1)

Cyclin
Proliferating cell nuclear antigen; Monoclonal antibody; Cell proliferation; Antinuclear antibody; ELISA (Takasaki, Y. (132) 227)

Cyclosporin A
Polyvinyl pyrrolidone; Ethanol (Yonish-Rouach, E. (135) 147)

Cytofluorometry
Lymphokine-activated killer cell; Conjugate (Cavarec, L. (130) 251)

Cytokine
Reverse haemolytic plaque assay; Immunocytochemistry; Neoplasia (Lewis, C.E. (127) 51)

Clonogenic assay; Lymphokine activated killer (Scuderi, P. (128) 119)

Tumor necrosis factor; Lymphotoxin; ELISA, antibody; (Antibody) (Lamche, H.R. (131) 283)

Eosinophil; Eosinophil activation; Colony stimulating factor; CD11b (Thorne, K.J.I. (133) 47)

Interleukin-1; Bioassay (Vandenabeele, P. (135) 25)

Cytokine, murine
Baculovirus; Interleukin-4; Interleukin-5 (Rodewald, H.-R. (132) 221)

Cytokine-specific ELISPOT
Interferon-γ; Interleukin-5 (Taguchi, T. (128) 65)

Cytolysis
Competition assay; Perforin (Jiang, S. (126) 29)

Anti-idiotypic antibody; Complement; Protection; Membrane restriction; Perforin; Pore-forming protein (Young, J.D.-E. (128) 133)

Cytomegalovirus
Monoclonal antibody, human; Hybridoma (Bron, D. (130) 209)

Monoclonal antibody, human (Tomiyama, T. (131) 249)

Routine assay; Covalent enzyme-linked immunoassay; Immune complex; HIV-1; Serum, human (Thomas, V. (133) 13)

Cytophotometry
Immunofluorescence; Alveolar macrophage; HLA-DR antigen; Monoclonal antibody (Pankow, W. (129) 127)

Cytotoxic and cytostatic effects
Cell death; TNF; Ethidium bromide fluorescence (Beletsky, I.P. (134) 201)

Cytotoxicity
Natural killer; Flow cytometry; Octadecylamine-fluorescein isothiocyanate; Propidium iodide (Radošević, K. (135) 81)

Cytotoxicity assay
Limiting dilution analysis; Cytotoxic T cell; (human) (Alp, N.J. (129) 269)

Europium; Cryopreserved target; Time-resolved fluorescence (Maley, D.T. (134) 61)

Cytotoxic T cell
Limiting dilution analysis; Cytotoxicity assay; (human) (Alp, N.J. (129) 269)

Cytotoxic T lymphocyte
Cell-mediated lympholysis assay; Cultured keratinocyte (De Bueger, M.M. (127) 117)

Chicken ovalbumin; Helper T cell (Sambhara, S.R. (130) 101)

D

Dapsone
Myeloperoxidase; Eosinophil peroxidase; Tetramethylbenzidine; Aminotriazole; CETAB (Bozeman, P.M. (126) 125)

Decidua human
Macrophage; Flow cytometry (Vince, G.S. (132) 181)

Dendritic cell
Fluorescence-activated cell sorter; Monoclonal antibody; Antigen presenting cell; Mixed leukocyte reaction; Spleen (Crowley, M.T. (133) 55)

Dendritic macrophage
Lymph; Cryosurgery (Gyure, L.A. (131) 49)

Densitometry
Immunocytochemistry; Computer-aided image processing; Double staining; Immunoglobulin; Ly-1, immune response (Brown, A.R. (130) 111)

Density gradient centrifugation
Nucleated red blood cell; Fetal lymphocyte (Bhat, N.M. (131) 147)

Density gradient separation
Lymphocyte subset; Flow cytometry; Monoclonal antibody; Two-color immunofluorescence; Whole blood preparation (Mansour, I. (127) 61)

Detection
CD4; Flow cytometry; AIDS; T cell; Monocyte (Filion, L.G. (135) 59)

Detection and quantification
Antigen specific immune complexes; ELISA (Schetters, H. (134) 113)

Detection of allogeneic cells
Primed lymphocyte cytotoxicity assay; Chimerism (Richardson, J.C. (127) 79)

Detection of enteric adenovirus
Adenovirus type 41; Latex agglutination method (Sanekata, T. (127) 235)

Detergent
ELISA; Polystyrene; Covalent binding; Membrane protein; Aldehyde (Lutz, H.U. (129) 211)

Dextran sulfate
Monoclonal antibody; ELISA; Pentosan polysulfate; Glycosaminoglycan polysulfate; Chondroitin sulfate E (Kongtawelert, P. (126) 39)

Differentiation
Splenic colony-forming unit separation; Proliferation (Lepault, F. (128) 249)

Pinocytosis; Monocyte, human; Macrophage, human (Davies, D.E. (132) 111)

Dihydrorhodamine 123
Flow microcytofluorometry; Reactive oxygen intermediate; Phagocyte; Chronic granulomatous disease (Emmendörffer, A. (131) 269)

Diphenylene iodonium
Macrophage; Hydrogen peroxide; Antimicrobial activity; *Toxoplasma* (Robertson, A.K. (133) 175)

Direct binding assay
Immunogenic peptide; T cell response; MHC class II; Avidin; (Methods); (Review) (Busch, R. (134) 1)

Direct competitive EIA
Enzyme glycoconjugate; Affinity constant; Carbohydrate epitope mapping (Vorberg, E. (132) 81)

Dissociation
Immobilization; ELISA; Model system; Regeneration (Blanchard, G.C. (130) 263)

Dissociation constant
Antigen-antibody complex; ELISA; Monoclonal antibody; Polyclonal antiserum (Kim, B.B. (131) 213)

Dissociation rate constants
Streptavidin; Avidin; Biotin (Piran, U. (133) 141)

DNA fragment separation
Pulsed field gel electrophoresis (O'Reilly, M.-A.J. (131) 1)

DNA methylation
7-Methyl-2′-deoxyguanosine; Fluoroimmunoassay; Time-resolved fluorescence; ELISA (Degan, P. (133) 119)

Dot immunobinding
Monoclonal antibody; Anti-G1M F; GM allotyping; ELISA (Tamaki, Y. (128) 75)

Dot immunobinding assay
Nitrocellulose filter; Human blood coagulation factor XII (Wuillemin, W.A. (130) 133)

Double antibody method
Specificity; IgM; IgG; Antibody, rabbit; Enzyme immunoassay (Tanimori, H. (129) 233)

Double labeling
Phagocytosis; Macrophage; *Leishmania major* (Cillari, E. (130) 57)

Bromodeoxyuridine; Alkaline phosphatase (Murdoch, A. (132) 45)

Double staining
Immunocytochemistry; Computer-aided image processing; Densitometry; Immunoglobulin; Ly-1, immune response (Brown, A.R. (130) 111)

Lymphocyte migration; High endothelial venule assay; Fluorescein isothiocyanate; Immunocytochemistry (Willführ, K.U. (130) 201)

Dynabeads
$CD5^+$; B cell, human; Plaque-forming cell (Jones, B.M. (132) 119)

E

Echinococcosis
Monoclonal antibody; Antigen 5; Protein epitope; Hydatid patient serum; Immunodiagnosis (Chamekh, M. (134) 129)

Electrical measurement
Macrophage activation; Cell attachment and spreading (Kowolenko, M. (127) 71)

Electroacoustic cell fusion
Ultrasound; Electrofusion; Hybridoma, murine (Bardsley, D.W. (129) 41)

Electrochemical detection
ELISA; Antibody-antigen kinetics; Rotating disk; Mass transfer control (Huet, D. (135) 33)

Electroelution
Two-dimensional electrophoresis; Mycobacterium; Bacterial lysate; T cell antigen (Gulle, H. (133) 253)

Electrofusion
Ultrasound; Electroacoustic cell fusion; Hybridoma, murine (Bardsley, D.W. (129) 41)

Hybridoma, human (Foung, S. (134) 35)

Electronic particle sizing
Polymorphonuclear leukocyte; Adherence; Endothelial cell; Tumor necrosis factor (McFaul, S.J. (130) 171)

Electrophoresis
Lipopolysaccharide; Lipooligosaccharide (Lesse, A.J. (126) 109)

ELIFA
Staphylococcal enterotoxin B; ELISA (Dupont, H. (128) 287)

ELISA
α_2 Macroglobulin-proteinase complex; Clinical assay; Pancreatitis; Arthritis; Monoclonal antibody (Banks, R.E. (126) 13)

Monoclonal antibody; Pentosan polysulfate; Dextran sulfate; Glycosaminoglycan polysulfate; Chondroitin sulfate E (Kongtawelert, P. (126) 39)

Biotinylated polysaccharide; ELISPOT assay; *Streptococcus pneumoniae* type 14 (Verheul, A.F.M. (126) 79)

α_2 Macroglobulin; α_2 Macroglobulin-protease complex (Justus, C.W.E. (126) 103)

Complement activation; (Mouse) (Morrison, L.J.A. (126) 191)

Monoclonal antibody; Epitope specificity; Culture supernatant screening (Würzner, R. (126) 231)

Anti-globulin; Monoclonal antibody; Anti-idiotype; Transplantation (Cobbold, S.P. (127) 19)

Association constant; Monoclonal antibody (Murray, J.S. (127) 25)

Atrazine; Monoclonal antibody; Hapten-nylon conjugate; Solid-phase coating antigen (Verschoor, J.A. (127) 43)

Anti-neutrophil cytoplasm antibody; α-Granule; Wegener's granulomatosis (Rasmussen, N. (127) 139)

Monoclonal antibody; Manganese-superoxide dismutase; Acute myocardial infarction; Hepatoma; Gastric cancer; Acute myeloid leukemia (Kawaguchi, T. (127) 249)

Antibody reactivity; Lentivirus; Protein blot; Immunoassay; Monoclonal antibody (Lo, W.-C.J. (128) 17)

Transforming growth factor α; Monoclonal antibody; Synthetic peptide; Neoantigenicity; Cancer (Inagaki, H. (128) 27)

Monoclonal antibody; Anti-G1M F; GM allotyping; Dot immunobinding (Tamaki, Y. (128) 75)

C4 nephritic factor; C3 nephritic factor; C4b2a stabilization; Membranoproliferative glomerulonephritis (Seino, J. (128) 101)

Malondialdehyde; Rabbit serum albumin (Lung, C.C. (128) 127)

IgG subclass; *Branhamella catarrhalis* (Goldblatt, D. (128) 219)

Staphylococcal enterotoxin B; ELIFA (Dupont, H. (128) 287)

Glutaraldehyde; Cell fixation; Microtiter plate (Carroll, K. (129) 71)

Caffeine; Cross-reactivity (Fickling, S.A. (129) 159)

Polystyrene; Covalent binding; Membrane protein; Detergent; Aldehyde (Lutz, H.U. (129) 211)

Viral antibody; IgM; Glutaraldehyde; Herpes simplex; Measles (Sharief, M.K. (130) 19)

pH; Pneumococcal polysaccharide; Antibody response; Isotype distribution (Elkins, K.L. (130) 123)

Dissociation; Immobilization; Model system; Regeneration (Blanchard, G.C. (130) 263)

Immunoglobulin, mouse; Monoclonal antibody, rat; Protein determination (Delaunay, T. (131) 33)

Leukocyte elastase (EC: 3.4.21.11), human; α_1-Proteinase-inhibitor (Kramer, M.D. (131) 41)

Methionine enkephalin sulfoxide; Methionine enkephalin (Tiong, G.K.L. (131) 65)

Rapid shaking incubator system; Incubation condition; Shaking incubator; Static incubator; Optimization of antibody-antigen interaction (Mushens, R.E. (131) 83)

Competitive assay; Theoretical model; Ovarian cyst glycoprotein blood group activity; Human blood group antigen (Chapman, V. (131) 91)

Immobilization; Synthetic peptide; CovaLink; Angiotensin II; HIV-2 (Søndergård-Andersen, J. (131) 99)

Lipocortin 1; Sarcoidosis; Bronchoalveolar lavage; Inflammation; Glucocorticoid (Smith, S.F. (131) 119)

SP-40,40; Monoclonal antibody; Seminal plasma (Choi, N.-H. (131) 159)

ELISA, spot-; Antibody-secreting cell; Mesenteric lymph node; Coronavirus; (Pig) (Berthon, P. (131) 173)

Capsular polysaccharide; Antibody-antigen affinity; *Haemophilus influenzae* (Hetherington, S. (131) 195)

Antigen-antibody complex; Dissociation constant; Monoclonal antibody; Polyclonal antiserum (Kim, B.B. (131) 213)

HIV-1 glycoprotein; Concanavalin A; HIV serology (Robinson, J.E. (132) 63)

HER2/*neu*; c-*erb*B-2; Bioassay (Sias, P.E. (132) 73)

Systemic lupus erythematosus; Anti-DNA antibody (Emlen, W. (132) 91)

Proliferating cell nuclear antigen; Cyclin; Monoclonal antibody; Cell proliferation; Antinuclear antibody (Takasaki, Y. (132) 227)

DNA methylation; 7-Methyl-2′-deoxyguanosine; Fluoroimmunoassay; Time-resolved fluorescence (Degan, P. (133) 119)

Anti-Ro/SS-A; Anti-La/SS-B; Immunoblot; RNA precipitation; Counterimmunoelectrophoresis (Meilof, J.F. (133) 215)

Flow cytometry; Immunoblot; Lipopolysaccharide; *Escherichia coli*; Monoclonal antibody (Nelson, D. (133) 227)

Interleukin-6 (Ida, N. (133) 279)

Haptoglobin; Hemoglobin; Chromatography, affinity; Monoclonal antibody; Polyclonal antiserum (Cerda, S. (134) 51)

Insulin; Rat insulin; Radioimmunoassay (Webster, H.V. (134) 95)

Acute phase proteins; Hepatoma cell; Hepatocyte (Ikawa, M. (134) 101)

Antigen specific immune complexes; Detection and quantification (Schetters, H. (134) 113)

Histone; Subnucleosome; Anti-histone antibody; Bicinchoninic acid (Burlingame, R.W. (134) 187)

Antibody-antigen kinetics; Electrochemical detection; Rotating disk; Mass transfer control (Huet, D. (135) 33)

Protein A; Plasma, human; Anti-protein A; Heat denaturation (Nilsson, R. (135) 77)

Haemophilus influenzae type b; *Haemophilus* b oligosaccharide-human albumin conjugate; Radioantigen binding assay (Phipps, D.C. (135) 121)

Protein L; Protein G; Immunization; Western blotting; (Rabbit); (Antibody) (Elbashir, M.I. (135) 171)

Peptide antibody; Avidin-biotinyl-peptide complex; Polymer-peptide conjugate; Kinin; Bradykinin (Anumula, K.R. (135) 199)

Streptococcal protein G; (Antibody); (Chicken) (Larsson, A. (135) 273)

ELISA, additive
Cu/Zn superoxide dismutase, human; Cu/Zn superoxide dismutase, recombinant; Monoclonal antibody; Polyclonal antibody; Epitope analysis; ELISA, super-rapid; ELISA, two-site (Porstmann, T. (127) 1)

ELISA, antibody
Tumor necrosis factor; Lymphotoxin; Cytokine; (Antibody) (Lamche, H.R. (131) 283)

ELISA, avidin-biotin
Mitochondrial aspartate aminotransferase; Human serum analysis (Varasteh, A. (128) 203)

ELISA, capture
Modified sandwich assay; Enzyme-substrate capture; Gelatin capture; Type IV collagenase (Wacher, M.P. (126) 239)

ELISA, cellular
Erythrophagocytosis assay; Protein G; Erythrocyte bound IgG (Sheiban, E. (135) 139)

Anti-HLA antibody; Anti-ABO blood group antibody; Monoclonal antibody; Epstein-Barr virus transformation (Arunachalam, B. (135) 181)

ELISA, competitive
Alzheimer's disease; Paired helical filament; Tau protein; Neurodegeneration (Harrington, C.R. (134) 261)

ELISA, filter spot-
IgE; B lymphocyte (King, C.L. (132) 37)

ELISA plaque
Spot ELISA modification; Anti-hapten response; ELISPOT (Greene, G. (129) 187)

ELISA-plaque assay
Antibody-secreting cell; Insulin epitope; Biotin-insulin (Schliebs, B. (126) 169)

ELISA, quantitative cell
Macrophage activation; Cell surface antigen (Nibbering, P.H. (131) 25)

ELISA, sandwich
HIV-1; Monoclonal antibody; p17 core protein (Cogniaux, J. (128) 165)

ELISA, spot-
Antibody-secreting cell; Anti-insulin antibody; IgG isotype (Vos, Q. (126) 89)

Antibody-secreting cell; Interferon antibody; Hybridoma; Nitrocellulose (Prümmer, O. (130) 187)

ELISA; Antibody-secreting cell; Mesenteric lymph node; Coronavirus; (Pig) (Berthon, P. (131) 173)

ELISA, super-rapid
Cu/Zn superoxide dismutase, human; Cu/Zn superoxide dismutase, recombinant; Monoclonal antibody; Polyclonal antibody; Epitope analysis; ELISA, two-site; ELISA, additive (Porstmann, T. (127) 1)

ELISA, two-site
Cu/Zn superoxide dismutase, human; Cu/Zn superoxide dismutase, recombinant; Monoclonal antibody; Polyclonal antibody; Epitope analysis; ELISA, super-rapid; ELISA, additive (Porstmann, T. (127) 1)

ELISPOT
Spot ELISA modification; Anti-hapten response; ELISA plaque (Greene, G. (129) 187)

IgG1; IgE; IgA; Anamnestic; Suppressor cell; Natural suppressor cell; Penicillin (Smith, M.C. (131) 55)

ELISPOT assay
Biotinylated polysaccharide; ELISA; *Streptococcus pneumoniae* type 14 (Verheul, A.F.M. (126) 79)

CD4 cell; In vitro IgG synthesis; (Rhesus monkey) (Fellowes, R. (132) 165)

Endocytosis
Quantification; Binding; Flow cytometry (Torres, J.M. (134) 163)

β-Endorphin
Endothelial cell; Cell migration; Cell proliferation; Endothelial growth factor (Fischer, E.G. (128) 235)

Endothelial cell
Cell migration; Cell proliferation; β-Endorphin; Endothelial growth factor (Fischer, E.G. (128) 235)

Polymorphonuclear leukocyte; Adherence; Tumor necrosis factor; Electronic particle sizing (McFaul, S.J. (130) 171)

Endothelial growth factor
Endothelial cell; Cell migration; Cell proliferation; β-Endorphin (Fischer, E.G. (128) 235)

Endothelin-1
Big-endothelin-1; Enzyme immunoassay, sandwich; Plasma level (Suzuki, N. (127) 165)

Endotoxin
Lipopolysaccharide; Phase separation; Triton X-114 (Aida, Y. (132) 191)

Procoagulant activity; Thromboplastin; Monocyte; Macrophage; Methodology; Coagulation (Jungi, T.W. (133) 21)

Enzymatic immune complex clearance assay
Glucose oxidase-anti-glucose oxidase complex; Immune complex clearance; Mononuclear phagocyte system (Matsumoto, T. (135) 163)

Enzyme-containing immune complexes clearance assay
Fc receptor; Glucose oxidase-anti-glucose oxidase complex; Macrophage; Photometric quantitation; Immune complex (Matsumoto, T. (129) 283)

Enzyme glycoconjugate
Direct competitive EIA; Affinity constant; Carbohydrate epitope mapping (Vorberg, E. (132) 81)

Enzyme immunoassay
Radioimmunoassay; Histamine; 1-Methylhistamine; Monoclonal antibody (Hammar, E. (128) 51)

Specificity; IgM; IgG; Antibody, rabbit; Double antibody method (Tanimori, H. (129) 233)

Immunoglobulin isotype; Antigen non-specific binding; False positive (Pearce-Pratt, R. (130) 65)

Ribonuclease; T-2 toxin; Citraconylation; Chromatography (Warden, B.A. (131) 77)

Enzyme immunoassay
Association constant; Biotin-polysaccharide conjugate; Monoclonal antibody (Meikle, P.J. (132) 255)

Angiotensin converting enzyme; Lisinopril; Captopril (Stevens, J. (132) 263)

Hybridization assay; Nonradioactive labelling; Nucleic acid (Corti, A. (134) 81)

Immune complex; Complement 3; Polyethylene glycol (Xu, R.-j. (135) 225)

Enzyme immunoassay, sandwich
Tissue inhibitor of metalloproteinases; Collagenase inhibitor; Monoclonal antibody; Rheumatoid arthritis (Kodama, S. (127) 103)

Big-endothelin-1; Endothelin-1; Plasma level (Suzuki, N. (127) 165)

Enzyme immunoinhibition
Rate constant; Monoclonal antibody; Alkaline phosphatase; Graphical determination; Antibody-antigen interaction (Cumme, G.A. (128) 241)

Enzyme-substrate capture
ELISA, capture; Modified sandwich assay; Gelatin capture; Type IV collagenase (Wacher, M.P. (126) 239)

Eosinophil
Peritoneal dialysis; Macrophage (Roberts, R.L. (126) 205)

Eosinophil activation; Colony stimulating factor; Cytokine; CD11b (Thorne, K.J.I. (133) 47)

Eosinophil activation
Eosinophil; Colony stimulating factor; Cytokine; CD11b (Thorne, K.J.I. (133) 47)

Eosinophil isolation
Blood eosinophil; Metrizamide; Percoll; Formylmethionylleucylphenylalanine; Immunomagnetic bead (Hansel, T.T. (127) 153)

Eosinophil peroxidase
Myeloperoxidase; Tetramethylbenzidine; Aminotriazole; Dapsone; CETAB (Bozeman, P.M. (126) 125)

Eosinophil purification
CD16-dependent passive immunoselection; Large scale bulk eosinophil isolation (Bach, M.K. (130) 277)

Epithelium
Radioimmunoassay; Major histocompatibility complex class II; Intestine (Whiting, C.V. (133) 169)

Epitope analysis
Cu/Zn superoxide dismutase, human; Cu/Zn superoxide dismutase, recombinant; Monoclonal antibody; Polyclonal antibody; ELISA, super-rapid; ELISA, two-site; ELISA, additive (Porstmann, T. (127) 1)

Epitope mapping
Monoclonal antibody; Immobilized antibody; Human chorionic gonadotropin; Glycoprotein hormone (Dighe, R.R. (131) 229)

Epitope specificity
ELISA; Monoclonal antibody; Culture supernatant screening (Würzner, R. (126) 231)

Epstein-Barr virus
Monoclonal antibody; Auto-antibody; Low density lipoprotein; Apolipoprotein B; (Primate); (Baboon); (Macaque); (Monkey); (*Papio*) (Sharp, R.M. (126) 287)

Common marmoset; Feeder cell; Malaria; Monoclonal antibody (Johnston, D.A. (127) 187)

Epstein-Barr virus transformation
ELISA, cellular; Anti-HLA antibody; Anti-ABO blood group antibody; Monoclonal antibody (Arunachalam, B. (135) 181)

***Erythrina cristigalli* lectin**
Mononuclear cell, feline; Monocyte; Carbohydrate receptor; Flow cytometry (Whitehurst, C.E. (131) 15)

Erythrocyte
Chromium release assay; Sodium pyruvate (Colsky, A.S. (129) 139)

Erythrocyte bound IgG
Erythrophagocytosis assay; Protein G; ELISA, cellular (Sheiban, E. (135) 139)

Erythrophagocytosis assay
Protein G; ELISA, cellular; Erythrocyte bound IgG (Sheiban, E. (135) 139)

Escherichia coli
Monoclonal antibody; Bacteria concentration fluorescence immunoassay (Schwan, W.R. (126) 247)

Flow cytometry; ELISA; Immunoblot; Lipopolysaccharide; Monoclonal antibody (Nelson, D. (133) 227)

***Escherichia coli* infection**
Quantitative autoradiography; Iodine radioisotope; Polyclonal antibody; Albumin (Morrel, E.M. (130) 39)

Ethanol
Cyclosporin A; Polyvinyl pyrrolidone (Yonish-Rouach, E. (135) 147)

Ethanol fixation
Paraffin section; Leukocyte surface marker; Immunoperoxidase method (Ootaka, T. (131) 183)

Ethidium bromide fluorescence
Cell death; Cytotoxic and cytostatic effects; TNF (Beletsky, I.P. (134) 201)

Europium
Cytotoxicity assay; Cryopreserved target; Time-resolved fluorescence (Maley, D.T. (134) 61)

Exonuclease III denaturation
Anti-bromodeoxyuridine; Flow cytometry; Cell cycle analysis; Cell surface antigen (Bayer, J.A. (132) 13)

Expression
Neutrophil; Leukocyte integrin; Flow cytometry; Adherence (Forsyth, K.D. (128) 159)

Extracellular matrix
Vitronectin; Fibronectin· Cell adhesion; Monoclonal antibody (Underwood, P.A. (127) 91)

F

Factor D
Complement inhibitor; Alternative pathway (of complement); Monoclonal antibody (Pascual, M. (127) 263)

Factor Xa protease cleavage
Plasmodium falciparum; Antigen detection; Immunoblot; Fusion protein (Scherf, A. (128) 81)

False positive
Immunoglobulin isotype; Antigen non-specific binding; Enzyme immunoassay (Pearce-Pratt, R. (130) 65)

Family study
Islet cell antibody; Immunofluorescent procedure; Insulin-dependent diabetes mellitus; Prediction; Reproducibility (Pilcher, C.C. (129) 111)

Fc_ϵ RI
Basophil; IgE; Monoclonal antibody; Rosette; Histamine (Schroeder, J.T. (133) 269)

Fc receptor
Lectin; Hybrid antibody; Surrogate receptor; Cell-cell interaction; Cellular cytotoxicity (Peacock, J.S. (126) 147)

Glucose oxidase-anti-glucose oxidase complex; Macrophage; Photometric quantitation; Immune complex; Enzyme-containing immune complexes clearance assay (Matsumoto, T. (129) 283)

Calibrated flow cytometry; Blood monocyte, human; U937 cell (Christensen, J. (132) 211)

Fc receptor, human
Antibody-coated erythrocyte rosetting; Flow cytometric assay (Tuijnman, W.B. (127) 207)

Feeder cell
Common marmoset; Epstein-Barr virus; Malaria; Monoclonal antibody (Johnston, D.A. (127) 187)

Fetal bovine serum
Interleukin-1; Inhibitor (McKenzie, R.C. (133) 99)

Fetal lymphocyte
Nucleated red blood cell; Density gradient centrifugation (Bhat, N.M. (131) 147)

Fibronectin
Vitronectin; Cell adhesion; Monoclonal antibody; Extracellular matrix (Underwood, P.A. (127) 91)

Field study
Immunological method; T cell subset; Blood smear (Lisse, I.M. (129) 49)

Filtration
Sensor; Biotin; Immunoassay; Streptavidin; Light addressable potentiometric sensor (Olson, J.D. (134) 71)

Flow cytometric assay
Antibody-coated erythrocyte rosetting; Fc receptor, human (Tuijnman, W.B. (127) 207)

Flow cytometry
Cell antigen; Low viability (Wing, M.G. (126) 21)

Three-color immunofluorescence; Texas red; Tandem fluorochrome conjugate (Festin, R. (126) 69)

Immunometric assay; Monodisperse particle; Hook effect; Carcinoembryonic antigen (Lindmo, T. (126) 183)

Lymphocyte subset; Monoclonal antibody; Two-color immunofluorescence; Density gradient separation; Whole blood preparation (Mansour, I. (127) 61)

Calcium; T lymphocyte; T cell activation; Fluo-3 (Vandenberghe, P.A. (127) 197)

Acridine orange; 7-Amino-4-methylcoumarin-3-acetic acid; Triple color immunofluorescence (Aubry, J.-P. (128) 39)

Neutrophil; Leukocyte integrin; Adherence; Expression (Forsyth, K.D. (128) 159)

Alloantibody; Major histocompatibility complex antigen (Leenaerts, P.L. (130) 73)

Chimerism; Polyclonal antiserum; (Rodent) (Leenaerts, P.L. (130) 163)

Mononuclear cell, feline; Monocyte; Carbohydrate receptor; *Erythrina cristigalli* lectin (Whitehurst, C.E. (131) 15)

Anti-bromodeoxyuridine; Cell cycle analysis; Exonuclease III denaturation; Cell surface antigen (Bayer, J.A. (132) 13)

Macrophage; Decidua human (Vince, G.S. (132) 181)

Acute lymphoblastic leukemia; Minimal residual disease; Terminal deoxynucleotidyl transferase (Gore, S.D. (132) 275)

Interleukin-4; Bioassay; B cell stimulatory factor (Siegel, J.P. (132) 287)

Fluorescent dye; Lymphocyte migration; Fluorescence microscopy (Weston, S.A. (133) 87)

ELISA; Immunoblot; Lipopolysaccharide; *Escherichia coli*; Monoclonal antibody (Nelson, D. (133) 227)

Natural killer cell; Gating (Lagaay, A.M. (133) 235)

Quantification; Binding; Endocytosis (Torres, J.M. (134) 163)

Staining parameter; Single laser multiparameter analysis (Maurer, D. (135) 43)

CD4; Detection; AIDS; T cell; Monocyte (Filion, L.G. (135) 59)

Natural killer; Cytotoxicity; Octadecylamine-fluorescein isothiocyanate; Propidium iodide (Radošević, K. (135) 81)

Neutrophil; Protein digestion; Rhodamine (Haynes, A.P. (135) 155)

Immunofluorescence; Sensitivity; Membrane antigen (Zola, H. (135) 247)

Flow cytometry analysis
Hybridoma cell; Metabolic and viability marker (Duval, D. (134) 177)

Flow microcytofluorometry
Dihydrorhodamine 123; Reactive oxygen intermediate; Phagocyte; Chronic granulomatous disease (Emmendörffer, A. (131) 269)

Fluo-3
Calcium; T lymphocyte; Flow cytometry; T cell activation (Vandenberghe, P.A. (127) 197)

Fluorescein isothiocyanate
Lymphocyte migration; High endothelial venule assay; Immunocytochemistry; Double staining (Willführ, K.U. (130) 201)

Fluorescence
Biotin; Avidin; Streptavidin; Immunoassay (Der-Balian, G.P. (126) 281)

Histological technics; Phagocyte; Inflammation (Axelsson, L.-G. (127) 271)

IgG; Immune complex; Plasma clearance; Liver cell (Ljunghusen, O. (128) 1)

Chamber; Perfusion; Macrophage; Intracellular calcium; NAD(P)H (Ince, C. (128) 227)

Fluorescence-activated cell sorter
Biotin; Interleukin-1β; Interleukin-1 receptor; Internalization (Chollet, A. (127) 179)

Bispecific antibody; Hybridoma, hybrid; Hoechst 33342 (Karawajew, L. (129) 277)

Dendritic cell; Monoclonal antibody; Antigen presenting cell; Mixed leukocyte reaction; Spleen (Crowley, M.T. (133) 55)

Fluorescence microscopy
Fluorescent dye; Lymphocyte migration; Flow cytometry (Weston, S.A. (133) 87)

Fluorescent dye
Lymphocyte migration; Flow cytometry; Fluorescence microscopy (Weston, S.A. (133) 87)

Fluoroimmunoassay
DNA methylation; 7-Methyl-2′-deoxyguanosine; Time-resolved fluorescence; ELISA (Degan, P. (133) 119)

Immunoassay; Biosensor; Continuous flow; Hapten (Kusterbeck, A.W. (135) 191)

Formylmethylleucylphenylalanine
Blood eosinophil; Eosinophil isolation; Metrizamide; Percoll; Immunomagnetic bead (Hansel, T.T. (127) 153)

Free antibody
Covalent enzyme-linked immunoassay; Anti-spermine; Immune complex (Roch, A.M. (133) 1)

Freund's incomplete adjuvant
Monoclonal antibody production; Pristane; Ascites (Jones, S.L. (129) 227)

Fusion protein
Plasmodium falciparum; Antigen detection; Immunoblot; Factor Xa protease cleavage (Scherf, A. (128) 81)

G

β-D-Galactosidase, porcine brain natriuretic peptide-linked
Brain natriuretic peptide; porcine; Microenzyme immunoassay; Plasma, porcine; Immunoreactivity, porcine brain natriuretic peptide-like (Takeyama, M. (130) 217)

Ganglioside
Anti-idiotype; Monoclonal antibody, human; Melanoma; Immunohistochemistry (Saito, H. (134) 121)

Gastric cancer
Monoclonal antibody; ELISA; Manganese-superoxide dismutase; Acute myocardial infarction; Hepatoma; Acute myeloid leukemia (Kawaguchi, T. (127) 249)

Gating
Natural killer cell; Flow cytometry (Lagaay, A.M. (133) 235)

Gelatin capture
ELISA, capture; Modified sandwich assay; Enzyme-substrate capture; Type IV collagenase (Wacher, M.P. (126) 239)

Gelonin
Immunotoxin; Momordin; Ricin A chain; Ribosome-inactivating protein; Chromatography, high performance liquid immunoaffinity; Cibacron Blue F3GA (Cumber, A.J. (135) 15)

Glial fibrillary acidic protein
Monoclonal antibody, boronated; Hyaluronectin; Immunoreactivity; Non-specific interaction (Pettersson, M.L. (126) 95)

Glucocorticoid
Lipocortin 1; ELISA; Sarcoidosis; Bronchoalveolar lavage; Inflammation (Smith, S.F. (131) 119)

Glucose oxidase-anti-glucose oxidase complex
Fc receptor; Macrophage; Photometric quantitation; Immune complex; Enzyme-containing immune complexes clearance assay (Matsumoto, T. (129) 283)

Immune complex clearance; Enzymatic immune complex clearance assay; Mononuclear phagocyte system (Matsumoto, T. (135) 163)

Glutaraldehyde
Cell fixation; ELISA; Microtiter plate (Carroll, K. (129) 71)

Viral antibody; ELISA; IgM; Herpes simplex; Measles (Sharief, M.K. (130) 19)

Glutaraldehyde two-step reaction
Synthetic peptide; Conjugation (Zegers, N. (130) 195)

Glycoenzyme-polyhydrazide-antibody-antigen complex
Periodate oxidized antibody; Immunoblot; Western blot (Heimgartner, U. (132) 239)

Glycoprotein hormone
Epitope mapping; Monoclonal antibody; Immobilized antibody; Human chorionic gonadotropin (Dighe, R.R. (131) 229)

Thyroid stimulating hormone; Monoclonal antibody; Anti-thyroid stimulating hormone; Thyroid stimulating epitope (Braun, J.M. (132) 197)

Glycosaminoglycan polysulfate
Monoclonal antibody; ELISA; Pentosan polysulfate; Dextran sulfate; Chondroitin sulfate E (Kongtawelert, P. (126) 39)

Glycosphingolipid
Monoclonal immunoglobulin; Immunoblot; Affinity filter; Neuropathy (Jauberteau, M.O. (134) 107)

Glycosylation
Ricinus communis agglutinin; *Bandeiraea simplicifolia* lectin; IgG; Rheumatoid arthritis (Sumar, N. (131) 127)

GM allotyping
Monoclonal antibody; Anti-G1M F; ELISA; Dot immunobinding (Tamaki, Y. (128) 75)

Gradient centrifugation
Nycodenz; Cell separation; Macrophage, peritoneal; Mononuclear leukocyte; Polymorphonuclear leukocyte; Phagocytosis; Nonspecific esterase; (Rat) (Fisker, S. (133) 31)

Gram-negative
Lipopolysaccharide; Chromatography, affinity; Ig (Tyler, J.W. (129) 221)

α-Granule
ELISA; Anti-neutrophil cytoplasm antibody; Wegener's granulomatosis (Rasmussen, N. (127) 139)

Granulocyte colony-stimulating factor
Immunoradiometric assay; Monoclonal antibody (Wadhwa, M. (128) 211)

Graphical determination
Rate constant; Monoclonal antibody; Enzyme immunoinhibition; Alkaline phosphatase; Antibody-antigen interaction (Cumme, G.A. (128) 241)

Growth hormone receptor
Anti-peptide antibody; Affinity purification; HLA class II β chain molecule (Karlsen, A. (128) 151)

H

***Haemophilus* b oligosaccharide-human albumin conjugate**
ELISA; *Haemophilus influenzae* type b; Radioantigen binding assay (Phipps, D.C. (135) 121)

Haemophilus influenzae
ELISA; Capsular polysaccharide; Antibody-antigen affinity (Hetherington, S. (131) 195)

***Haemophilus influenzae* type b**
ELISA; *Haemophilus* b oligosaccharide-human albumin conjugate; Radioantigen binding assay (Phipps, D.C. (135) 121)

Hapten
Chemiluminescent enzyme immunoassay; Xanthine oxidase; Antibody (Fert, V. (131) 237)

Immunoassay; Fluoroimmunoassay; Biosensor; Continuous flow (Kusterbeck, A.W. (135) 191)

Hapten heterology
Immunoassay; Thyroxine; Triiodothyronine; Cooperative binding (Piran, U. (133) 207)

Hapten-nylon conjugate
Atrazine; ELISA; Monoclonal antibody; Solid-phase coating antigen (Verschoor, J.A. (127) 43)

Haptoglobin
Hemoglobin; Chromatography, affinity; Monoclonal antibody; Polyclonal antiserum; ELISA (Cerda, S. (134) 51)

Heat denaturation
Protein A; ELISA; Plasma, human; Anti-protein A (Nilsson, R. (135) 77)

Helodermin
Peptide dot immunoassay; Peptide histidine isoleucinamide; Peptide histidine methioninamide (Gourlet, P. (133) 151)

Helper T cell
Cytotoxic T lymphocyte; Chicken ovalbumin (Sambhara, S.R. (130) 101)

Hematopoietic growth factor
Bone marrow assay; Colorimetric assay; Tetrazolium salt (Kotnik, V. (129) 23)

Hemoglobin
Haptoglobin; Chromatography, affinity; Monoclonal antibody; Polyclonal antiserum; ELISA (Cerda, S. (134) 51)

Hemolytic plaque size
Rapid sizing; Antibody feedback; Allotype; IgM; IgG; Primary immunization; Secondary immunization; Red blood cell, sheep; Red blood cell, burro; Trinitrophenyl (Dresser, D.W. (129) 1)

Hepatitis B surface antigen
Monoclonal antibody; Anti-idiotype (Kim, W.B. (126) 119)

Hepatocyte
ELISA; Acute phase proteins; Hepatoma cell (Ikawa, M. (134) 101)

Hepatoma
Monoclonal antibody; ELISA; Manganese-superoxide dismutase; Acute myocardial infarction; Gastric cancer; Acute myeloid leukemia (Kawaguchi, T. (127) 249)

Hepatoma cell
ELISA; Acute phase proteins; Hepatocyte (Ikawa, M. (134) 101)

HER2/*neu*
c-*erb*B-2; ELISA; Bioassay (Sias, P.E. (132) 73)

Herpes simplex
Viral antibody; ELISA; IgM; Glutaraldehyde; Measles (Sharief, M.K. (130) 19)

Heterogeneous cell population
Mononuclear phagocyte; Liposome encapsulated dichloromethylene diphosphonate; Removal of mononuclear phagocytes (Claassen, I. (134) 153)

Heterohybridoma
Ascites; In vivo cell proliferation method; Monoclonal anti-mouse IgE; (Hamster) (Kayano, T. (130) 25)

Hybridoma; Neuraminidase treatment (Igarashi, M. (135) 91)

High endothelial venule assay
Lymphocyte migration; Fluorescein isothiocyanate; Immunocytochemistry; Double staining (Willführ, K.U. (130) 201)

High resolution electrophoresis
Homogeneous immunoglobulin components; Immunoblot; Isoelectric focusing; Sensitivity (Nooij, F.J.M. (134) 273)

Histamine
Radioimmunoassay; Enzyme immunoassay; 1-Methylhistamine; Monoclonal antibody (Hammar, E. (128) 51)

Basophil; IgE; Monoclonal antibody; Rosette; Fc_ϵ RI (Schroeder, J.T. (133) 269)

Histidine
Chromatography, immunoaffinity; Peptide immunization; Adsorption equilibrium; Amino acid replacement (Sada, E. (130) 33)

Histocompatibility molecule
Major histocompatibility complex; I-A molecule (Luescher, I.F. (135) 233)

Histological technics
Fluorescence; Phagocyte; Inflammation (Axelsson, L.-G. (127) 271)

Histone
ELISA; Subnucleosome; Anti-histone antibody; Bicinchoninic acid (Burlingame, R.W. (134) 187)

HIV-1
Monoclonal antibody; p17 core protein; ELISA, sandwich (Cogniaux, J. (128) 165)

Core protein; Western blot; Monoclonal antibody (Liang, C.-M. (132) 57)

Routine assay; Covalent enzyme-linked immunoassay; Immune complex; Cytomegalovirus; Serum, human (Thomas, V. (133) 13)

HIV-1 glycoprotein
Concanavalin A; ELISA; HIV serology (Robinson, J.E. (132) 63)

HIV-2
Immobilization; ELISA; Synthetic peptide; CovaLink; Angiotensin II (Søndergård-Andersen, J. (131) 99)

HIV serology
HIV-1 glycoprotein; Concanavalin A; ELISA (Robinson, J.E. (132) 63)

HLA-B27-associated arthritis
C1 activation; C1 inactivator-C1r-C1s complex; Rheumatoid arthritis; Spondylarthritic syndrome (Laurell, A.-B. (129) 55)

HLA class II β chain molecule
Anti-peptide antibody; Affinity purification; Growth hormone receptor (Karlsen, A. (128) 151)

HLA-DP typing
Polymerase chain reaction; Allele-specific amplification (Fugger, L. (129) 175)

HLA-DR antigen
Cytophotometry; Immunofluorescence; Alveolar macrophage; Monoclonal antibody (Pankow, W. (129) 127)

Quantitative fluorescence; Keratinocytes; ISIT-camera quantitation (Kinn, S.R. (134) 243)

Hoechst 33342
Bispecific antibody; Hybridoma, hybrid; Fluorescence-activated cell sorter (Karawajew, L. (129) 277)

Hollow fiber
Tumor infiltrating lymphocyte; Interleukin-2; Cell culture; Lymphocyte (Knazek, R.A. (127) 29)

Homogeneous immunoglobulin components
Immunoblot; Isoelectric focusing; Sensitivity; High resolution electrophoresis (Nooij, F.J.M. (134) 273)

Hook effect
Immunometric assay; Flow cytometry; Monodisperse particle; Carcinoembryonic antigen (Lindmo, T. (126) 183)

Hormone
Thymus; Radioimmunoassay; Thymulin (Safieh, B. (127) 255)

Horseradish peroxidase
Immunoassay; Tetramethylbenzidine; Blot (McKimm-Breschkin, J.L. (135) 277)

Human blood coagulation factor XII
Dot immunobinding assay; Nitrocellulose filter (Wuillemin, W.A. (130) 133)

Human blood group antigen
ELISA; Competitive assay; Theoretical model; Ovarian cyst glycoprotein blood group activity (Chapman, V. (131) 91)

Human chorionic gonadotropin
Epitope mapping; Monoclonal antibody; Immobilized antibody; Glycoprotein hormone (Dighe, R.R. (131) 229)

Human immunodeficiency virus, see also HIV...
Immunoconjugate; CD4; Ricin A chain (Ghetie, V. (126) 135)

Protein G; IgM; IgA; Seroconversion (Weiblen, B.J. (126) 199)

Paraformaldehyde; Inactivation (Aloisio, C.H. (128) 281)

Covalent linkage; Activated nitrocellulose; Peptide; Immunoblot; Chromatography, thin-layer; Angiotensin (Lauritzen, E. (131) 257)

Human serum analysis
Mitochondrial aspartate aminotransferase; ELISA, avidin-biotin (Varasteh, A. (128) 203)

Hyaluronectin
Monoclonal antibody, boronated; Glial fibrillary acidic protein; Immunoreactivity; Non-specific interaction (Pettersson, M.L. (126) 95)

Hybrid antibody
Lectin; Fc receptor; Surrogate receptor; Cell-cell interaction; Cellular cytotoxicity (Peacock, J.S. (126) 147)

Redirected lysis; Targeting retrovirus (Moran, T.M. (129) 199)

Hybridization assay
Enzyme immunoassay; Nonradioactive labelling; Nucleic acid (Corti, A. (134) 81)

Hybridoma
Monoclonal antibody; Colony replica assay; Affinity maturation; Bacterial expression system; Yeast expression system (Gherardi, E. (126) 61)

Monocyte; Macrophage; Macrophage antigen (Sperber, K. (129) 31)

Monoclonal antibody; Serum-free (Schneider, Y.-J. (129) 251)

ELISA, spot-; Antibody-secreting cell; Interferon antibody; Nitrocellulose (Prümmer, O. (130) 187)

Cytomegalovirus; Monoclonal antibody, human (Bron, D. (130) 209)

IgM anti-fluorescein antibody; Monoclonal antibody; Concanavalin A supernatant (Skeath, J.B. (133) 39)

Heterohybridoma; Neuraminidase treatment (Igarashi, M. (135) 91)

Hybridoma cell
Metabolic and viability marker; Flow cytometry analysis (Duval, D. (134) 177)

Hybridoma formation
Hypo-osmolar electrofusion; Mouse-human cell line (Zimmermann, U. (134) 43)

Hybridoma, human
Electrofusion (Foung, S. (134) 35)

Hybridoma, human × human
Monoclonal antibody, human; Tumor cell; B cell growth factor (Hagiwara, H. (135) 263)

Hybridoma, hybrid
Bispecific antibody; Fluorescence-activated cell sorter; Hoechst 33342 (Karawajew, L. (129) 277)

Hybridoma, murine
Ultrasound; Electrofusion; Electroacoustic cell fusion (Bardsley, D.W. (129) 41)

Hydatid patient serum
Echinococcosis; Monoclonal antibody; Antigen 5; Protein epitope; Immunodiagnosis (Chamekh, M. (134) 129)

Hydrogen peroxide
Diphenylene iodonium; Macrophage; Antimicrobial activity; *Toxoplasma* (Robertson, A.K. (133) 175)

Hydropathy
Protein; Structure (Huang, M.C. (129) 77)

7-Hydroxy coumarin-3-acetic acid
Anti-fluorescein isothiocyanate; Affinity purification; Affinity constant (Samuel, D. (133) 133)

Hypo-osmolar electrofusion
Mouse-human cell line; Hybridoma formation (Zimmermann, U. (134) 43)

I

IgA
Protein G; IgM; Human immunodeficiency virus; Seroconversion (Weiblen, B.J. (126) 199)

IgG1; IgE; Anamnestic; ELISPOT; Suppressor cell; Natural suppressor cell; Penicillin (Smith, M.C. (131) 55)

IgA aggregate
IgA immune complex assay; IgA nephropathy (Osawa, H. (132) 173)

IgA immune complex assay
IgA aggregate; IgA nephropathy (Osawa, H. (132) 173)

IgA nephropathy
IgA immune complex assay; IgA aggregate (Osawa, H. (132) 173)

IgD, murine
N-linked carbohydrate; Lectin; *Bandeiraea* (*Griffonia*) *simplicifolia-I* (Oppenheim, J.D. (130) 243)

IgE
IgG1; IgA; Anamnestic; ELISPOT; Suppressor cell; Natural suppressor cell; Penicillin (Smith, M.C. (131) 55)

ELISA, filter spot-; B lymphocyte (King, C.L. (132) 37)

Basophil; Monoclonal antibody; Rosette; Fc_{ε} RI; Histamine (Schroeder, J.T. (133) 269)

IgE-binding factor
Suppressor T cell factor; Lipocortin; Bee venom phospholipase A_2 (Carini, C. (127) 221)

IgE, preformed
IgE synthesis; Acid extraction (Gamkrelidze, A. (130) 9)

IgE regulation
Interleukin-4, human; Culture medium; Immunoglobulin synthesis; Iscove's modified Dulbecco's medium (Claassen, J.L. (126) 213)

IgE synthesis
IgE, preformed; Acid extraction (Gamkrelidze, A. (130) 9)

IgG
Protein A (Sisson, T.H. (127) 215)

Immune complex; Plasma clearance; Liver cell; Fluorescence (Ljunghusen, O. (128) 1)

Hemolytic plaque size; Rapid sizing; Antibody feedback; Allotype; IgM; Primary immunization; Secondary immunization; Red blood cell, sheep; Red blood cell, burro; Trinitrophenyl (Dresser, D.W. (129) 1)

Specificity; IgM; Antibody, rabbit; Enzyme immunoassay; Double antibody method (Tanimori, H. (129) 233)

IgG1
IgE; IgA; Anamnestic; ELISPOT; Suppressor cell; Natural suppressor cell; Penicillin (Smith, M.C. (131) 55)

Ricinus communis agglutinin; *Bandeiraea simplicifolia* lectin; Glycosylation; Rheumatoid arthritis (Sumar, N. (131) 127)

IgG isotype
ELISA, spot-; Antibody-secreting cell; Anti-insulin antibody (Vos, Q. (126) 89)

IgG subclass
ELISA; *Branhamella catarrhalis* (Goldblatt, D. (128) 219)

IgM
Purification; Chromatography, affinity; Complement 1 (Nethery, A. (126) 57)

Protein G; IgA; Human immunodeficiency virus; Seroconversion (Weiblen, B.J. (126) 199)

Hemolytic plaque size; Rapid sizing; Antibody feedback; Allotype; IgG; Primary immunization; Secondary immunization; Red blood cell, sheep; Red blood cell, burro; Trinitrophenyl (Dresser, D.W. (129) 1)

Specificity; IgG; Antibody, rabbit; Enzyme immunoassay; Double antibody method (Tanimori, H. (129) 233)

Viral antibody; ELISA; Glutaraldehyde; Herpes simplex; Measles (Sharief, M.K. (130) 19)

IgM anti-fluorescein antibody
Monoclonal antibody; Hybridoma; Concanavalin A supernatant (Skeath, J.B. (133) 39)

IgM detection
Latex immunoassay; Colored latex; *Salmonella enteritidis*; *Trichinella spiralis* (Lim, P.L. (135) 9)

Immobilization
Dissociation; ELISA; Model system; Regeneration (Blanchard, G.C. (130) 263)

ELISA; Synthetic peptide; CovaLink; Angiotensin II; HIV-2 (Søndergård-Andersen, J. (131) 99)

Immobilized antibody
Epitope mapping; Monoclonal antibody; Human chorionic gonadotropin; Glycoprotein hormone (Dighe, R.R. (131) 229)

Immobilizing matrix
Immunodetection; Immunofiltration; Probe; Blotting; Polyacrylamide gel (Pinon, J.M. (131) 143)

Immune complex
IgG; Plasma clearance; Liver cell; Fluorescence (Ljunghusen, O. (128) 1)

Fc receptor; Glucose oxidase-anti-glucose oxidase complex; Macrophage; Photometric quantitation; Enzyme-containing immune complexes clearance assay (Matsumoto, T. (129) 283)

Isoelectric focusing; Agarose gel; Urea; (Antigen); (Antibody) (Hoffman, W.L. (132) 103)

Covalent enzyme-linked immunoassay; Anti-spermine; Free antibody (Roch, A.M. (133) 1)

Routine assay; Covalent enzyme-linked immunoassay; HIV-1; Cytomegalovirus; Serum, human (Thomas, V. (133) 13)

Enzyme immunoassay; Complement 3; Polyethylene glycol (Xu, R.-j. (135) 225)

Immune complex clearance
Glucose oxidase-anti-glucose oxidase complex; Enzymatic immune complex clearance assay; Mononuclear phagocyte system (Matsumoto, T. (135) 163)

Immune complex stimulation
Neutrophil; Oxidative burst; Phagocytic vacuole (Ryan, T.C. (130) 223)

Immunization
Synthetic peptide; Covalent coupling; Neodeterminant; Antibody response (Deen, C. (129) 119)

Protein L; Protein G; ELISA; Western blotting; (Rabbit); (Antibody) (Elbashir, M.I. (135) 171)

Immunization method
Nitrocellulose; Subcutaneous implant; (Rabbit) (Coghlan, L.G. (129) 135)

Immunoassay
Antigen binding model; Antigen-antibody dissociation constant (Hoylaerts, M.F. (126) 253)

Biotin; Avidin; Streptavidin; Fluorescence (Der-Balian, G.P. (126) 281)

Monoclonal antibody; Antigenic determinant; Carcinoembryonic antigen (Börmer, O.P. (127) 171)

ELISA; Antibody reactivity; Lentivirus; Protein blot; Monoclonal antibody (Lo, W.-C.J. (128) 17)

Checkerboard immunoblotting; Cholera toxin; Cross-reactions (Kazemi, M. (128) 143)

Signal amplification; Multilayer formation; Immunological method; Immunoenzyme method (Naser, W.L. (129) 151)

Lymphotoxin; Monoclonal antibody; Tumor necrosis factor β (Adolf, G.R. (130) 177)

Optimal design; Microplate 96-well (Bunch, D.S. (132) 247)

Chemiluminescence; Microparticle; Anti-hepatitis B core antigen (Wolf-Rogers, J. (133) 191)

Hapten heterology; Thyroxine; Triiodothyronine; Cooperative binding (Piran, U. (133) 207)

Sensor; Biotin; Streptavidin; Light addressable potentiometric sensor; Filtration (Olson, J.D. (134) 71)

Tumor necrosis factor; Magnetic monodisperse polymer particle (Liabakk, N.-B. (134) 253)

Fluoroimmunoassay; Biosensor; Continuous flow; Hapten (Kusterbeck, A.W. (135) 191)

Tetramethylbenzidine; Horseradish peroxidase; Blot (McKimm-Breschkin, J.L. (135) 277)

Immunoblot
Plasmodium falciparum; Antigen detection; Fusion protein; Factor Xa protease cleavage (Scherf, A. (128) 81)

Autoimmune disease; Antinuclear antibody; Tween 20; Sodium dodecyl sulfate (Van Dam, A.P. (129) 63)

Covalent linkage; Activated nitrocellulose; Peptide; Chromatography, thin-layer; Angiotensin; HIV (Lauritzen, E. (131) 257)

Periodate oxidized antibody; Glycoenzyme-polyhydrazide-antibody-antigen complex; Western blot (Heimgartner, U. (132) 239)

Anti-Ro/SS-A; Anti-La/SS-B; ELISA; RNA precipitation; Counterimmunoelectrophoresis (Meilof, J.F. (133) 215)

Flow cytometry; ELISA; Lipopolysaccharide; *E. coli*; Monoclonal antibody (Nelson, D. (133) 227)

Glycosphingolipid; Monoclonal immunoglobulin; Affinity filter; Neuropathy (Jauberteau, M.O. (134) 107)

Homogeneous immunoglobulin components; Isoelectric focusing; Sensitivity; High resolution electrophoresis (Nooij, F.J.M. (134) 273)

Immunoconjugate
CD4; Ricin A chain; Human immunodeficiency virus (Ghetie, V. (126) 135)

Immunocytochemistry
Cytokine; Reverse haemolytic plaque assay; Neoplasia (Lewis, C.E. (127) 51)

Computer-aided image processing; Densitometry; Double staining; Immunoglobulin; Ly-1, immune response (Brown, A.R. (130) 111)

Lymphocyte migration; High endothelial venule assay; Fluorescein isothiocyanate; Double staining (Willführ, K.U. (130) 201)

Immunodetection
Immobilizing matrix; Immunofiltration; Probe; Blotting; Polyacrylamide gel (Pinon, J.M. (131) 143)

Immunodiagnosis
Echinococcosis; Monoclonal antibody; Antigen 5; Protein epitope; Hydatid patient serum (Chamekh, M. (134) 129)

Immunoelectron microscopy
Immunogold-silver staining; Lymphocyte (Manara, G.C. (128) 59)

Immunoenzyme method
Immunoassay; Signal amplification; Multilayer formation; Immunological method (Naser, W.L. (129) 151)

Immunofiltration
Immobilizing matrix; Immunodetection; Probe; Blotting; Polyacrylamide gel (Pinon, J.M. (131) 143)

Immunofluorescence
Cytophotometry; Alveolar macrophage; HLA-DR antigen; Monoclonal antibody (Pankow, W. (129) 127)

Smooth muscle antibody; Anti-actin antibody; Autoimmune hepatitis; Chronic liver disease (Fusconi, M. (130) 1)

Yeast killer toxin; Cell wall receptor; Anti-idiotypic antibody (Polonelli, L. (132) 205)

Transfection; Chloramphenicol acetyltransferase assay; B lymphocyte; B chronic lymphocytic leukemia (Buschle, M. (133) 77)

Microassay; Surface antigen; Intracellular antigen (Pitzurra, L. (135) 71)

Flow cytometry; Sensitivity; Membrane antigen (Zola, H. (135) 247)

Immunofluorescent procedure
Islet cell antibody; Insulin-dependent diabetes mellitus; Prediction; Family study; Reproducibility (Pilcher, C.C. (129) 111)

Immunogen
Immunoglobulin; Variable region domain; (Antigen) (Black, A. (127) 123)

Immunogenicity
Iscom; Bovine serum albumin; Quil A; Non-amphipathic protein (Morein, B. (128) 177)

Vaccine; Antigen presentation; Peptide-proteosome complexes; Malaria; Synthetic peptide (Ruegg, C.L. (135) 101)

Immunogenic peptide
T cell response; MHC class II; Direct binding assay; Avidin; (Methods); (Review) (Busch, R. (134) 1)

Immunoglobulin, see also Ig...
Variable region domain; Immunogen; (Antigen) (Black, A. (127) 123)

Protein purification; Thiophilic adsorption; Colostrum; (Pig) (Hutchens, T.W. (128) 89)

Lipopolysaccharide; Gram-negative; Chromatography, affinity (Tyler, J.W. (129) 221)

Immunocytochemistry; Computer-aided image processing; Densitometry; Double staining; Ly-1, immune response (Brown, A.R. (130) 111)

Immunoglobulin gene locus
Polymerase chain reaction; Cloning (Zwickl, M. (130) 49)

Immunoglobulin, human
Caprylic acid (Perosa, F. (128) 9)

Immunoglobulin isotype
Antigen non-specific binding; Enzyme immunoassay; False positive (Pearce-Pratt, R. (130) 65)

Immunoglobulin, mouse
Monoclonal antibody, rat; ELISA; Protein determination (Delaunay, T. (131) 33)

Immunoglobulin synthesis
IgE regulation; Interleukin-4, human; Culture medium; Iscove's modified Dulbecco's medium (Claassen, J.L. (126) 213)

Immunogold-silver staining
Immunoelectron microscopy; Lymphocyte (Manara, G.C. (128) 59)

Immunohistochemistry
Monoclonal antibody, human; Secretory component (Ditzel, H. (133) 245)

Anti-idiotype; Monoclonal antibody, human; Melanoma; Ganglioside (Saito, H. (134) 121)

Immunoliposome
B cell growth factor; B cell activation (Furukawa, K. (131) 105)

Immunological method
Field study; T cell subset; Blood smear (Lisse, I.M. (129) 49)

Immunoassay; Signal amplification; Multilayer formation; Immunoenzyme method (Naser, W.L. (129) 151)

Immunomagnetic bead
Blood eosinophil; Eosinophil isolation; Metrizamide; Percoll; Formylmethionylleucylphenylalanine (Hansel, T.T. (127) 153)

Immunomagnetic cell separation
NK cell; NK cytotoxicity; Lymphocyte subset; Interleukin-2 stimulation (Pflueger, E. (129) 165)

Immunometric assay
Flow cytometry; Monodisperse particle; Hook effect; Carcinoembryonic antigen (Lindmo, T. (126) 183)

Immunoperoxidase method
Ethanol fixation; Paraffin section; Leukocyte surface marker (Ootaka, T. (131) 183)

Immunoradiometric assay
Granulocyte colony-stimulating factor; Monoclonal antibody (Wadhwa, M. (128) 211)

Immunoreactive fraction
Anti-idiotype; Chromatography, affinity (Temponi, M. (126) 223)

Immunoreactivity
Monoclonal antibody, boronated; Glial fibrillary acidic protein; Hyaluronectin; Non-specific interaction (Pettersson, M.L. (126) 95)

Immunoreactivity, porcine brain natriuretic peptide-like
Brain natriuretic peptide; porcine; Microenzyme immunoassay; β-D-Galactosidase, porcine brain natriuretic peptide-linked; Plasma, porcine (Takeyama, M. (130) 217)

Immuno-staining
Video image analysis; Visual analysis (Norazmi, M.-N. (131) 223)

Immunotherapy
Microcapsule; T cell; Tumor infiltrating lymphocyte (TIL) (Reilly, E.B. (126) 273)

Biologic assay; Interleukin-4; Lymphokine; B cell; Particle concentration fluorescence immunoassay (Custer, M.C. (128) 109)

Immunotoxin
Gelonin; Momordin; Ricin A chain; Ribosome-inactivating protein; Chromatography, high performance liquid immunoaffinity; Cibacron Blue F3GA (Cumber, A.J. (135) 15)

Inactivation
Human immunodeficiency virus; Paraformaldehyde (Aloisio, C.H. (128) 281)

Incubation condition
ELISA; Rapid shaking incubator system; Shaking incubator; Static incubator; Optimization of antibody-antigen interaction (Mushens, R.E. (131) 83)

Inflammation
^{111}In-labeled granulocyte; Skin window (Pinching, A.J. (126) 7)

Histological technics; Fluorescence; Phagocyte (Axelsson, L.-G. (127) 271)

Lipocortin 1; ELISA; Sarcoidosis; Bronchoalveolar lavage; Glucocorticoid (Smith, S.F. (131) 119)

Inhibitor
Interleukin-1; Fetal bovine serum (McKenzie, R.C. (133) 99)

Bioassay; Interleukin-1; Polyethylene glycol (Hopkins, S.J. (133) 127)

^{111}In-labeled granulocyte
Skin window; Inflammation (Pinching, A.J. (126) 7)

Insulin
Rat insulin; ELISA; Radioimmunoassay (Webster, H.V. (134) 95)

Insulin-dependent diabetes mellitus
Islet cell antibody; Immunofluorescent procedure; Prediction; Family study; Reproducibility (Pilcher, C.C. (129) 111)

Insulin epitope
ELISA-plaque assay; Antibody-secreting cell; Biotin-insulin (Schliebs, B. (126) 169)

Interferon antibody
ELISA, spot-; Antibody-secreting cell; Hybridoma; Nitrocellulose (Prümmer, O. (130) 187)

Interferon-γ
Macrophage activation; Intracellular cytotoxicity; MTT assay; *Leishmania* (Kiderlen, A.F. (127) 11)

Cytokine-specific ELISPOT; Interleukin-5 (Taguchi, T. (128) 65)

Interleukin-1
Fetal bovine serum; Inhibitor (McKenzie, R.C. (133) 99)

Bioassay; Inhibitor; Polyethylene glycol (Hopkins, S.J. (133) 127)

Bioassay; Cytokine (Vandenabeele, P. (135) 25)

Interleukin-1β
Biotin; Interleukin-1 receptor; Fluorescence-activated cell sorter; Internalization (Chollet, A. (127) 179)

Interleukin-2
Hollow fiber; Tumor infiltrating lymphocyte; Cell culture; Lymphocyte (Knazek, R.A. (127) 29)

Tumor-derived activated cell; Biotherapy; OKT3 (Yannelli, J.R. (130) 91)

Interleukin-2, recombinant
Lymphokine-activated killer cell; Adoptive immunotherapy; Cell culture; Cell culture apparatus (Murata, M. (129) 89)

Interleukin-2 stimulation
Immunomagnetic cell separation; NK cell; NK cytotoxicity; Lymphocyte subset (Pflueger, E. (129) 165)

Interleukin-4
Biologic assay; Lymphokine; Immunotherapy; B cell; Particle concentration fluorescence immunoassay (Custer, M.C. (128) 109)

Baculovirus; Interleukin-5; Cytokine, murine (Rodewald, H.-R. (132) 221)

Bioassay; B cell stimulatory factor; Flow cytometry (Siegel, J.P. (132) 287)

Interleukin-4, human
IgE regulation; Culture medium; Immunoglobulin synthesis; Iscove's modified Dulbecco's medium (Claassen, J.L. (126) 213)

Interleukin-5
Cytokine-specific ELISPOT; Interferon-γ (Taguchi, T. (128) 65)

Baculovirus; Interleukin-4; Cytokine, murine (Rodewald, H.-R. (132) 221)

Interleukin-6
ELISA (Ida, N. (133) 279)

Internalization
Biotin; Interleukin-1β; Interleukin-1 receptor; Fluorescence-activated cell sorter (Chollet, A. (127) 179)

Intestine
Radioimmunoassay; Major histocompatibility complex class II; Epithelium (Whiting, C.V. (133) 169)

Intracellular antigen
Microassay; Immunofluorescence; Surface antigen (Pitzurra, L. (135) 71)

Intracellular calcium
Chamber; Perfusion; Macrophage; NAD(P)H; Fluorescence (Ince, C. (128) 227)

Intracellular cytotoxicity
Macrophage activation; MTT assay; Interferon-γ; *Leishmania* (Kiderlen, A.F. (127) 11)

In vitro IgG synthesis
CD4 cell; ELISPOT assay; (Rhesus monkey) (Fellowes, R. (132) 165)

In vivo cell proliferation method
Ascites; Heterohybridoma; Monoclonal anti-mouse IgE; (Hamster) (Kayano, T. (130) 25)

Iodination
Monoclonal antibody; Protection; Labeling (Ramjeesingh, M. (133) 159)

Iodine radioisotope
Quantitative autoradiography; Polyclonal antibody; Albumin; *Escherichia coli* infection (Morrel, E.M. (130) 39)

Ion exchange
β_2 Microglobulin; Preparative isolation; Chromatography, size exclusion (Nelson, S.R. (128) 277)

Iscom
Bovine serum albumin; Quil A, Immunogenicity; Non-amphipathic protein (Morein, B. (128) 177)

Iscove's modified Dulbecco's medium
IgE regulation; Interleukin-4, human; Culture medium; Immunoglobulin synthesis (Claassen, J.L. (126) 213)

ISIT-camera quantitation
Quantitative fluorescence; HLA-DR antigen; Keratinocytes (Kinn, S.R. (134) 243)

Islet cell antibody
Immunofluorescent procedure; Insulin-dependent diabetes mellitus; Prediction; Family study; Reproducibility (Pilcher, C.C. (129) 111)

Isoelectric focusing
Immune complex; Agarose gel; Urea; (Antigen); (Antibody) (Hoffman, W.L. (132) 103)

Homogeneous immunoglobulin components; Immunoblot; Sensitivity; High resolution electrophoresis (Nooij, F.J.M. (134) 273)

Isolation
Neutrophil; Blood, human; Priming; Shape change (McFaul, S.J. (130) 15)

Isotype distribution
ELISA; pH; Pneumococcal polysaccharide; Antibody response (Elkins, K.L. (130) 123)

Ixodes holocyclus
Western blot; Blocking agent; Non-specific binding; Allergen (Gauci, M. (126) 51)

K

Keratinocytes
Quantitative fluorescence; HLA-DR antigen; ISIT-camera quantitation (Kinn, S.R. (134) 243)

Kinin
Peptide antibody; Avidin-biotinyl-peptide complex; Polymer-peptide conjugate; Bradykinin; ELISA (Anumula, K.R. (135) 199)

L

Labeling
Monoclonal antibody; Protection; Iodination (Ramjeesingh, M. (133) 159)

Large granular lymphocyte, rat
Chemotaxis; Lymphocyte migration (Pilaro, A.M. (135) 213)

Large scale bulk eosinophil isolation
Eosinophil purification; CD16-dependent passive immunoselection (Bach, M.K. (130) 277)

Latex agglutination
Tuberculosis; Antigen detection (Cambiaso, C.L. (129) 9)

Latex immunoassay; Thyroid hormone; Non-isotopic immunoassay (Mareschal, J.C. (131) 137)

Non-isotopic immunoassay; Particle counting; Choriogonadotropin (Halflants, M. (134) 171)

Latex agglutination immunoassay
Agglutination kinetic; Polymer latex particle (Kondo, A. (135) 111)

Latex agglutination method
Detection of enteric adenovirus; Adenovirus type 41 (Sanekata, T. (127) 235)

Latex immunoassay
Latex agglutination; Thyroid hormone; Non-isotopic immunoassay (Mareschal, J.C. (131) 137)

IgM detection; Colored latex; *Salmonella enteritidis*; *Trichinella spiralis* (Lim, P.L. (135) 9)

Salmonella typhi endotoxin; Magnetic bead (Lim, P.-L. (135) 257)

Lectin
Fc receptor; Hybrid antibody; Surrogate receptor; Cell-cell interaction; Cellular cytotoxicity (Peacock, J.S. (126) 147)

IgD, murine; N-linked carbohydrate; *Bandeiraea* (*Griffonia*) *simplicifolia-1* (Oppenheim, J.D. (130) 243)

Lectin assay
Neuraminidase; Anti-neuraminidase (Lambré, C.R. (135) 49)

Leishmania
Macrophage activation; Intracellular cytotoxicity; MTT assay; Interferon-γ (Kiderlen, A.F. (127) 11)

Amastigote; Macrophage; Receptor; Binding assay (Mosser, D.M. (130) 235)

Leishmania major
Phagocytosis; Macrophage; Double labeling (Cillari, E. (130) 57)

Lentivirus
ELISA; Antibody reactivity; Protein blot; Immunoassay; Monoclonal antibody (Lo, W.-C.J. (128) 17)

Leukocyte elastase (EC: 3.4.21.11), human
α_1-Proteinase-inhibitor; ELISA (Kramer, M.D. (131) 41)

Leukocyte integrin
Neutrophil; Flow cytometry; Adherence; Expression (Forsyth, K.D. (128) 159)

Leukocyte surface marker
Ethanol fixation; Paraffin section; Immunoperoxidase method (Ootaka, T. (131) 183)

Light addressable potentiometric sensor
Sensor; Biotin; Immunoassay; Streptavidin; Filtration (Olson, J.D. (134) 71)

Limiting dilution analysis
Cytotoxicity assay; Cytotoxic T cell; (human) (Alp, N.J. (129) 269)

Lipid A
Lipopolysaccharide; Monoclonal antibody; Anti-idiotypic antibody (Cornelissen, J.J. (130) 141)

Lipocortin
Suppressor T cell factor; Bee venom phospholipase A_2; IgE-binding factor (Carini, C. (127) 221)

Lipocortin 1
ELISA; Sarcoidosis; Bronchoalveolar lavage; Inflammation; Glucocorticoid (Smith, S.F. (131) 119)

Lipooligosaccharide
Electrophoresis; Lipopolysaccharide (Lesse, A.J. (126) 109)

Western blotting; Methodology; *Neisseria meningitidis*; Outer membrane protein (Davies, R.L. (134) 215)

Lipopolysaccharide
Electrophoresis; Lipooligosaccharide (Lesse, A.J. (126) 109)

Gram-negative; Chromatography, affinity; Immunoglobulin (Tyler, J.W. (129) 221)

Lipid A; Monoclonal antibody; Anti-idiotypic antibody (Cornelissen, J.J. (130) 141)

Endotoxin; Phase separation; Triton X-114 (Aida, Y. (132) 191)

Flow cytometry; ELISA; Immunoblot; *Escherichia coli*; Monoclonal antibody (Nelson, D. (133) 227)

Liposome
Streptavidin; Biotin; Targeted-liposome (Loughrey, H.C. (132) 25)

Anti-albumin; Micro-albumin; Radioimmunoassay; Solid phase; Sulforhodamine B (Frost, S.J. (134) 207)

Liposome encapsulated dichloromethylene diphosphonate
Mononuclear phagocyte; Heterogeneous cell population; Removal of mononuclear phagocytes (Claassen, I. (134) 153)

Lisinopril
Angiotensin converting enzyme; Enzyme immunoassay; Captopril (Stevens, J. (132) 263)

Liver
Metallothionein; Plasma; Primary biliary cirrhosis; Radioimmunoassay (Mulder, T.P.J. (130) 157)

Liver cell
IgG; Immune complex; Plasma clearance; Fluorescence (Ljunghusen, O. (128) 1)

Low density lipoprotein
Monoclonal antibody; Auto-antibody; Apolipoprotein B; Epstein-Barr virus; (Primate); (Baboon); (Macaque); (Monkey); (*Papio*) (Sharp, R.M. (126) 287)

Low viability
Flow cytometry; Cell antigen (Wing, M.G. (126) 21)

Ly-1, immune response
Immunocytochemistry; Computer-aided image processing; Densitometry; Double staining; Immunoglobulin (Brown, A.R. (130) 111)

Lymph
Dendritic macrophage; Cryosurgery (Gyure, L.A. (131) 49)

Lymphocyte
Hollow fiber; Tumor infiltrating lymphocyte; Interleukin-2; Cell culture (Knazek, R.A. (127) 29)

Immunogold-silver staining; Immunoelectron microscopy (Manara, G.C. (128) 59)

Monocyte; Myeloid cell; (Liver) (Goossens, P.L. (132) 137)

Technetium-99m; Scintigraphy; Theoretical model; (Rat) (Benestad, H.B. (135) 1)

Lymphocyte migration
High endothelial venule assay; Fluorescein isothiocyanate; Immunocytochemistry; Double staining (Willführ, K.U. (130) 201)

Fluorescent dye; Flow cytometry; Fluorescence microscopy (Weston, S.A. (133) 87)

Chemotaxis; Large granular lymphocyte, rat (Pilaro, A.M. (135) 213)

Lymphocyte
Mononuclear cells; Nycodenz (Ford, T.C. (134) 237)

Lymphocyte subset
Flow cytometry; Monoclonal antibody; Two-color immunofluorescence; Density gradient separation; Whole blood preparation (Mansour, I. (127) 61)

Immunomagnetic cell separation; NK cell; NK cytotoxicity; Interleukin-2 stimulation (Pflueger, E. (129) 165)

Lymphokine
Biologic assay; Interleukin-4; Immunotherapy; B cell; Particle concentration fluorescence immunoassay (Custer, M.C. (128) 109)

Lymphokine activated killer
Clonogenic assay; Cytokine (Scuderi, P. (128) 119)

Lymphokine-activated killer cell
^{51}Cr release assay; Clonogenic assay; B16 melanoma (Tzeng, J.-J. (128) 257)

Adoptive immunotherapy; Interleukin-2, recombinant; Cell culture; Cell culture apparatus (Murata, M. (129) 89)

Conjugate; Cytofluorometry (Cavarec, L. (130) 251)

Lymphotoxin
Monoclonal antibody; Immunoassay; Tumor necrosis factor β (Adolf, G.R. (130) 177)

Tumor necrosis factor; Cytokine; ELISA, antibody; (Antibody) (Lamche, H.R. (131) 283)

M

α_2 Macroglobulin
α_2 Macroglobulin-protease complex; ELISA (Justus, C.W.E. (126) 103)

α_2 Macroglobulin-protease complex
α_2 Macroglobulin; ELISA (Justus, C.W.E. (126) 103)

α_2 Macroglobulin-proteinase complex
ELISA; Clinical assay; Pancreatitis; Arthritis; Monoclonal antibody (Banks, R.E. (126) 13)

Macrophage
Eosinophil; Peritoneal dialysis (Roberts, R.L. (126) 205)

Chamber; Perfusion; Intracellular calcium; NAD(P)H; Fluorescence (Ince, C. (128) 227)

Monocyte; Hybridoma; Macrophage antigen (Sperber, K. (129) 31)

Blood leukocyte; Mean cell volume; Coulter counter (Nibbering, P.H. (129) 143)

Fc receptor; Glucose oxidase-anti-glucose oxidase complex; Photometric quantitation; Immune complex; Enzyme-containing immune complexes clearance assay (Matsumoto, T. (129) 283)

Phagocytosis; *Leishmania major*; Double labeling (Cillari, E. (130) 57)

Leishmania; Amastigote; Receptor; Binding assay (Mosser, D.M. (130) 235)

Decidua human; Flow cytometry (Vince, G.S. (132) 181)

Procoagulant activity; Thromboplastin; Monocyte; Methodology; Coagulation; Endotoxin (Jungi, T.W. (133) 21)

Diphenylene iodonium; Hydrogen peroxide; Antimicrobial activity; *Toxoplasma* (Robertson, A.K. (133) 175)

Macrophage activation
Intracellular cytotoxicity; MTT assay; Interferon-γ; *Leishmania* (Kiderlen, A.F. (127) 11)

Cell attachment and spreading; Electrical measurement (Kowolenko, M. (127) 71)

Cell surface antigen; ELISA, quantitative cell (Nibbering, P.H. (131) 25)

Macrophage antigen
Monocyte; Macrophage; Hybridoma (Sperber, K. (129) 31)

Macrophage cytotoxicity
Colorimetric assay; MTT tetrazolium salt; Tumor target (Ferrari, M. (131) 165)

Macrophage, human
Pinocytosis; Monocyte, human; Differentiation (Davies, D.E. (132) 111)

Macrophage, peritoneal
Nycodenz; Gradient centrifugation; Cell separation; Mononuclear leukocyte; Polymorphonuclear leukocyte; Phagocytosis; Nonspecific esterase; (Rat) (Fisker, S. (133) 31)

Magnetic bead
Latex immunoassay; *Salmonella typhi* endotoxin (Lim, P.-L. (135) 257)

Magnetic monodisperse polymer particle
Immunoassay; Tumor necrosis factor (Liabakk, N.-B. (134) 253)

Major histocompatibility, complex class II restriction
Bovine $CD4^+$ antigen-specific cell line (Glass, E.J. (128) 267)

Major histocompatibility complex antigen
Alloantibody; Flow cytometry (Leenaerts, P.L. (130) 73)

Major histocompatibility complex class II
Radioimmunoassay; Intestine; Epithelium (Whiting, C.V. (133) 169)

Histocompatibility molecule; I-A molecule (Luescher, I.F. (135) 233)

Malaria
Common marmoset; Epstein-Barr virus; Feeder cell; Monoclonal antibody (Johnston, D.A. (127) 187)

Vaccine; Antigen presentation; Peptide-proteosome complexes; Immunogenicity; Synthetic peptide (Ruegg, C.L. (135) 101)

Malondialdehyde
Rabbit serum albumin; ELISA (Lung, C.C. (128) 127)

Manganese-superoxide dismutase
Monoclonal antibody; ELISA; Acute myocardial infarction; Hepatoma; Gastric cancer; Acute myeloid leukemia (Kawaguchi, T. (127) 249)

Mass transfer control
ELISA; Antibody-antigen kinetics; Electrochemical detection; Rotating disk (Huet, D. (135) 33)

Mathematical model
T lymphocyte; Concanavalin A dose-response; Proliferation; Suppression (Nikš, M. (126) 263)

Mean cell volume
Blood leukocyte; Macrophage; Coulter counter (Nibbering, P.H. (129) 143)

Measles
Viral antibody; ELISA; IgM; Glutaraldehyde; Herpes simplex (Sharief, M.K. (130) 19)

Melanoma
Anti-idiotype; Monoclonal antibody, human; Ganglioside; Immunohistochemistry (Saito, H. (134) 121)

Membrane antigen
Flow cytometry; Immunofluorescence; Sensitivity (Zola, H. (135) 247)

Membrane protein
ELISA; Polystyrene; Covalent binding; Detergent; Aldehyde (Lutz, H.U. (129) 211)

Membrane restriction
Anti-idiotypic antibody; Complement; Cytolysis; Protection; Perforin; Pore-forming protein (Young, J.D.-E. (128) 133)

Membranoproliferative glomerulonephritis
C4 nephritic factor; C3 nephritic factor; C4b2a stabilization; ELISA (Seino, J. (128) 101)

C3 nephritic factor; C3bBb-stabilizing activity (Ohi, H. (131) 71)

Mesenteric lymph node
ELISA, spot-; ELISA; Antibody-secreting cell; Coronavirus; (Pig) (Berthon, P. (131) 173)

Metabolic and viability marker
Hybridoma cell; Flow cytometry analysis (Duval, D. (134) 177)

Metal coated bead
Mitogen response (Morgan, A. (126) 1)

Metallothionein
Liver; Plasma; Primary biliary cirrhosis; Radioimmunoassay (Mulder, T.P.J. (130) 157)

Methionine enkephalin
Methionine enkephalin sulfoxide; ELISA (Tiong, G.K.L. (131) 65)

Methionine enkephalin sulfoxide
Methionine enkephalin; ELISA (Tiong, G.K.L. (131) 65)

Methodology
Procoagulant activity; Thromboplastin; Monocyte; Macrophage; Coagulation; Endotoxin (Jungi, T.W. (133) 21)

Western blotting; *Neisseria meningitidis*; Outer membrane protein; Lipooligosaccharide (Davies, R.L. (134) 215)

7-Methyl-2′-deoxyguanosine
DNA methylation; Fluoroimmunoassay; Time-resolved fluorescence; ELISA (Degan, P. (133) 119)

1-Methylhistamine
Radioimmunoassay; Enzyme immunoassay; Histamine; Monoclonal antibody (Hammar, E. (128) 51)

Metrizamide
Blood eosinophil; Eosinophil isolation; Percoll; Formylmethionylleucylphenylalanine; Immunomagnetic bead (Hansel, T.T. (127) 153)

MHC class II
Immunogenic peptide; T cell response; Direct binding assay; Avidin; (Methods); (Review) (Busch, R. (134) 1)

Micro-albumin
Anti-albumin; Liposome; Radioimmunoassay; Solid phase; Sulforhodamine B (Frost, S.J. (134) 207)

Microassay
Immunofluorescence; Surface antigen; Intracellular antigen (Pitzurra, L. (135) 71)

Microcapsule
Immunotherapy; T cell; Tumor infiltrating lymphocyte (TIL) (Reilly, E.B. (126) 273)

Microculture tetrazolium assay
Antibody to interferon; Antiviral neutralization bioassay; MTT (Hansen, M.B. (127) 241)

Microenzyme immunoassay
Brain natriuretic peptide; porcine; β-D-Galactosidase, porcine brain natriuretic peptide-linked; Plasma, porcine; Immunoreactivity, porcine brain natriuretic peptide-like (Takeyama, M. (130) 217)

β_2 Microglobulin
Preparative isolation; Ion exchange; Chromatography, size exclusion (Nelson, S.R. (128) 277)

Microparticle
Chemiluminescence; Immunoassay; Anti-hepatitis B core antigen (Wolf-Rogers, J. (133) 191)

Microplate 96-well
Immunoassay; Optimal design (Bunch, D.S. (132) 247)

Microtiter plate
Glutaraldehyde; Cell fixation; ELISA (Carroll, K. (129) 71)

Minimal residual disease
Acute lymphoblastic leukemia; Flow cytometry; Terminal deoxynucleotidyl transferase (Gore, S.D. (132) 275)

Mitochondrial aspartate aminotransferase
ELISA, avidin-biotin; Human serum analysis (Varasteh, A. (128) 203)

Mitogen response
Metal coated bead (Morgan, A. (126) 1)

Mixed leukocyte reaction
Fluorescence-activated cell sorter; Dendritic cell; Monoclonal antibody; Antigen presenting cell; Spleen (Crowley, M.T. (133) 55)

Model system
Dissociation; Immobilization; ELISA; Regeneration (Blanchard, G.C. (130) 263)

Modified sandwich assay
ELISA, capture; Enzyme-substrate capture; Gelatin capture; Type IV collagenase (Wacher, M.P. (126) 239)

Momordin
Immunotoxin; Gelonin; Ricin A chain; Ribosome-inactivating protein; Chromatography, high performance liquid immunoaffinity; Cibacron Blue F3GA (Cumber, A.J. (135) 15)

Monoclonal antibody
ELISA; α_2 Macroglobulin-proteinase complex; Clinical assay; Pancreatitis; Arthritis (Banks, R.E. (126) 13)

ELISA; Pentosan polysulfate; Dextran sulfate; Glycosaminoglycan polysulfate; Chondroitin sulfate E (Kongtawelert, P. (126) 39)

Hybridoma; Colony replica assay; Affinity maturation; Bacterial expression system; Yeast expression system (Gherardi, E. (126) 61)

Hepatitis B surface antigen; Anti-idiotype (Kim, W.B. (126) 119)

Polyclonal antibody; Adenosine deaminase complexing protein; Solid-phase adsorption; Routine immunohistochemistry (Dinjens, W.N.M. (126) 175)

ELISA; Epitope specificity; Culture supernatant screening (Würzner, R. (126) 231)

Escherichia coli; Bacteria concentration fluorescence immunoassay (Schwan, W.R. (126) 247)

Auto-antibody; Low density lipoprotein; Apolipoprotein B; Epstein-Barr virus; (Primate); (Baboon); (Macaque); (Monkey); (*Papio*) (Sharp, R.M. (126) 287)

Cu/Zn superoxide dismutase, human; Cu/Zn superoxide dismutase, recombinant; Polyclonal antibody; Epitope analysis; ELISA, super-rapid; ELISA, two-site; ELISA, additive (Porstmann, T. (127) 1)

ELISA; Anti-globulin; Anti-idiotype; Transplantation (Cobbold, S.P. (127) 19)

ELISA; Association constant (Murray, J.S. (127) 25)

Spleen cell hybridoma; Mouse serum; Tissue culture (Persson, M.A.A. (127) 39)

Atrazine; ELISA; Hapten-nylon conjugate; Solid-phase coating antigen (Verschoor, J.A. (127) 43)

Lymphocyte subset; Flow cytometry; Two-color immunofluorescence; Density gradient separation; Whole blood preparation (Mansour, I. (127) 61)

Vitronectin; Fibronectin; Cell adhesion; Extracellular matrix (Underwood, P.A. (127) 91)

Enzyme immunoassay, sandwich; Tissue inhibitor of metalloproteinases; Collagenase inhibitor; Rheumatoid arthritis (Kodama, S. (127) 103)

Parathyroid hormone-related protein; Radioimmunoassay (Ratcliffe, W.A. (127) 109)

Rabies virus glycoprotein; Chromatography, affinity; Chromatography, high performance liquid (Santucci, A. (127) 131)

Antigenic determinant; Carcinoembryonic antigen; Immunoassay (Börmer, O.P. (127) 171)

Common marmoset; Epstein-Barr virus; Feeder cell; Malaria (Johnston, D.A. (127) 187)

ELISA; Manganese-superoxide dismutase; Acute myocardial infarction; Hepatoma; Gastric cancer; Acute myeloid leukemia (Kawaguchi, T. (127) 249)

Complement inhibitor; Factor D; Alternative pathway (of complement) (Pascual, M. (127) 263)

ELISA; Antibody reactivity; Lentivirus; Protein blot; Immunoassay (Lo, W.-C.J. (128) 17)

Transforming growth factor α; ELISA; Synthetic peptide; Neoantigenicity; Cancer (Inagaki, H. (128) 27)

Radioimmunoassay; Enzyme immunoassay; Histamine; 1-Methylhistamine (Hammar, E. (128) 51)

Anti-G1M F; GM allotyping; ELISA; Dot immunobinding (Tamaki, Y. (128) 75)

HIV-1; p17 core protein; ELISA, sandwich (Cogniaux, J. (128) 165)

Granulocyte colony-stimulating factor; Immunoradiometric assay (Wadhwa, M. (128) 211)

Rate constant; Enzyme immunoinhibition; Alkaline phosphatase; Graphical determination; Antibody-antigen interaction (Cumme, G.A. (128) 241)

Cytophotometry; Immunofluorescence; Alveolar macrophage; HLA-DR antigen (Pankow, W. (129) 127)

Chromatography, affinity; Lipopolysaccharide; Gram-negative; Immunoglobulin (Tyler, J.W. (129) 221)

O:6,7 lipopolysaccharide; *Salmonella* serogroup C_1; (Mouse); (Rat) (Luk, J.M.C. (129) 243)

Hybridoma; Serum-free (Schneider, Y.-J. (129) 251)

Urokinase-type plasminogen activator; Urokinase receptor (Zacharias, U. (130) 81)

Lipopolysaccharide; Lipid A; Anti-idiotypic antibody (Cornelissen, J.J. (130) 141)

Lymphotoxin; Immunoassay; Tumor necrosis factor β (Adolf, G.R. (130) 177)

SP-40,40; ELISA; Seminal plasma (Choi, N.-H. (131) 159)

Antigen-antibody complex; Dissociation constant; ELISA; Polyclonal antiserum (Kim, B.B. (131) 213)

Epitope mapping; Immobilized antibody; Human chorionic gonadotropin; Glycoprotein hormone (Dighe, R.R. (131) 229)

HIV-1; Core protein; Western blot (Liang, C.-M. (132) 57)

Crossed immunoelectrophoresis; Mycobacterial antigen; *Mycobacterium bovis* BCG (Wiker, H.G. (132) 127)

Thyroid stimulating hormone; Glycoprotein hormone; Anti-thyroid stimulating hormone; Thyroid stimulating epitope (Braun, J.M. (132) 197)

Proliferating cell nuclear antigen; Cyclin; Cell proliferation; Antinuclear antibody; ELISA (Takasaki, Y. (132) 227)

Association constant; Biotin-polysaccharide conjugate; Enzyme immunoassay (Meikle, P.J. (132) 255)

IgM anti-fluorescein antibody; Hybridoma; Concanavalin A supernatant (Skeath, J.B. (133) 39)

Fluorescence-activated cell sorter; Dendritic cell; Antigen presenting cell; Mixed leukocyte reaction; Spleen (Crowley, M.T. (133) 55)

Protection; Labeling; Iodination (Ramjeesingh, M. (133) 159)

Flow cytometry; ELISA; Immunoblot; Lipopolysaccharide; *Escherichia coli* (Nelson, D. (133) 227)

Basophil; IgE; Rosette; Fc_ε RI; Histamine (Schroeder, J.T. (133) 269)

Calcitonin gene-related peptide, α and β (Andrew, D.P. (134) 87)

Echinococcosis; Antigen 5; Protein epitope; Hydatid patient serum; Immunodiagnosis (Chamekh, M. (134) 129)

Photosensitizer conjugation; Phototoxicity; Polyvinyl alcohol; Benzoporphyrin derivative (Jiang, F.N. (134) 139)

ELISA, cellular; Anti-HLA antibody; Anti-ABO blood group antibody; Epstein-Barr virus transformation (Arunachalam, B. (135) 181)

Monoclonal antibody, agonistic
Polystyrene monosized bead; T cell expansion (Santamaria, P. (132) 1)

Monoclonal antibody, anti-CD3
T lymphocyte clone, human; Monoclonal antibody, anti-CD28; Antigen specificity (Riddell, S.R. (128) 189)

Monoclonal antibody, anti-CD28
T lymphocyte clone, human; Monoclonal antibody, anti-CD3; Antigen specificity (Riddell, S.R. (128) 189)

Monoclonal antibody, boronated
Glial fibrillary acidic protein; Hyaluronectin; Immunoreactivity; Non-specific interaction (Pettersson, M.L. (126) 95)

Monoclonal antibody, human
Cytomegalovirus; Hybridoma (Bron, D. (130) 209)

Cytomegalovirus (Tomiyama, T. (131) 249)

Immunohistochemistry; Secretory component (Ditzel, H. (133) 245)

Anti-idiotype; Melanoma; Ganglioside; Immunohistochemistry (Saito, H. (134) 121)

Hybridoma, human × human; Tumor cell; B cell growth factor (Hagiwara, H. (135) 263)

Monoclonal antibody, human / murine
Avidity; Protective antibody; Conjugate vaccine (Bruderer, U. (133) 263)

Monoclonal antibody production
Freund's incomplete adjuvant; Pristane; Ascites (Jones, S.L. (129) 227)

Monoclonal antibody, rat
Immunoglobulin, mouse; ELISA; Protein determination (Delaunay, T. (131) 33)

Monoclonal antibody to mycoplasmas
Cell culture mycoplasma; Mycoplasma detection (Blazek, R. (131) 203)

Monoclonal anti-mouse IgE
Ascites; In vivo cell proliferation method; Heterohybridoma; (Hamster) (Kayano, T. (130) 25)

Monoclonal immunoglobulin
Glycosphingolipid; Immunoblot; Affinity filter; Neuropathy (Jauberteau, M.O. (134) 107)

Monocyte
Macrophage; Hybridoma; Macrophage antigen (Sperber, K. (129) 31)

Mononuclear cell, feline; Carbohydrate receptor; *Erythrina cristigalli* lectin; Flow cytometry (Whitehurst, C.E. (131) 15)

Lymphocyte; Myeloid cell; (Liver) (Goossens, P.L. (132) 137)

Procoagulant activity; Thromboplastin; Macrophage; Methodology; Coagulation; Endotoxin (Jungi, T.W. (133) 21)

Mycobacteria; Bactericidal; Radioassay (Blanchard, D.K. (133) 285)

CD4; Detection; Flow cytometry; AIDS; T cell (Filion, L.G. (135) 59)

Monocyte, human
Pinocytosis; Macrophage, human; Differentiation (Davies, D.E. (132) 111)

Monodisperse particle
Immunometric assay; Flow cytometry; Hook effect; Carcinoembryonic antigen (Lindmo, T. (126) 183)

Mononuclear cell, feline
Monocyte; Carbohydrate receptor; *Erythrina cristigalli* lectin; Flow cytometry (Whitehurst, C.E. (131) 15)

Mononuclear cells
Lymphocytes; Nycodenz (Ford, T.C. (134) 237)

Mononuclear leukocyte
Nycodenz; Gradient centrifugation; Cell separation; Macrophage, peritoneai; Polymorphonuclear leukocyte; Phagocytosis; Nonspecific esterase; (Rat) (Fisker, S. (133) 31)

Mononuclear phagocyte
Liposome encapsulated dichloromethylene diphosphonate; Heterogeneous cell population; Removal of mononuclear phagocytes (Claassen, I. (134) 153)

Mononuclear phagocyte system
Glucose oxidase-anti-glucose oxidase complex; Immune complex clearance; Enzymatic immune complex clearance assay (Matsumoto, T. (135) 163)

Mouse-human cell line
Hypo-osmolar electrofusion; Hybridoma formation (Zimmermann, U. (134) 43)

Mouse serum
Spleen cell hybridoma; Tissue culture; Monoclonal antibody (Persson, M.A.A. (127) 39)

MTT
Antibody to interferon; Antiviral neutralization bioassay; Microculture tetrazolium assay (Hansen, M.B. (127) 241)

MTT assay
Macrophage activation; Intracellular cytotoxicity; Interferon-γ; *Leishmania* (Kiderlen, A.F. (127) 11)

MTT tetrazolium salt
Colorimetric assay; Macrophage cytotoxicity; Tumor target (Ferrari, M. (131) 165)

Multilayer formation
Immunoassay; Signal amplification; Immunological method; Immunoenzyme method (Naser, W.L. (129) 151)

Multiple sclerosis
Affinity; Specific IgG (Luxton, R.W. (131) 277)

Muramyl dipeptide
Anti-idiotype; Myeloma protein (Eggers, A.E. (133) 71)

Mycobacteria
Monocyte; Bactericidal; Radioassay (Blanchard, D.K. (133) 285)

Mycobacterial antigen
Crossed immunoelectrophoresis; Monoclonal antibody; *Mycobacterium bovis* BCG (Wiker, H.G. (132) 127)

Mycobacterium
Two-dimensional electrophoresis; Bacterial lysate; Electroelution; T cell antigen (Gulle, H. (133) 253)

***Mycobacterium bovis* BCG**
Crossed immunoelectrophoresis; Monoclonal antibody; Mycobacterial antigen (Wiker, H.G. (132) 127)

Mycoplasma detection
Cell culture mycoplasma; Monoclonal antibody to mycoplasmas (Blazek, R. (131) 203)

Myeloid cell
Monocyte; Lymphocyte; (Liver) (Goossens, P.L. (132) 137)

Myeloma protein
Anti-idiotype; Muramyl dipeptide (Eggers, A.E. (133) 71)

Myeloperoxidase
Eosinophil peroxidase; Tetramethylbenzidine; Aminotriazole; Dapsone; CETAB (Bozeman, P.M. (126) 125)

N

NAD(P)H
Chamber; Perfusion; Macrophage; Intracellular calcium; Fluorescence (Ince, C. (128) 227)

Natural killer
Cytotoxicity; Flow cytometry; Octadecylamine-fluorescein isothiocyanate; Propidium iodide (Radošević, K. (135) 81)

Natural killer cell
Flow cytometry; Gating (Lagaay, A.M. (133) 235)

Natural suppressor cell
IgG1; IgE; IgA; Anamnestic; ELISPOT; Suppressor cell; Penicillin (Smith, M.C. (131) 55)

Neisseria gonorrhoeae
Bactericidal assay; Normal human serum (Pettit, R.K. (129) 15)

Neisseria meningitidis
Western blotting; Methodology; Outer membrane protein; Lipooligosaccharide (Davies, R.L. (134) 215)

Neoantigenicity
Transforming growth factor α; ELISA; Monoclonal antibody; Synthetic peptide; Cancer (Inagaki, H. (128) 27)

Neodeterminant
Synthetic peptide; Covalent coupling; Immunization; Antibody response (Deen, C. (129) 119)

Neoplasia
Cytokine; Reverse haemolytic plaque assay; Immunocytochemistry (Lewis, C.E. (127) 51)

Neuraminidase
Anti-neuraminidase; Lectin assay (Lambré, C.R. (135) 49)

Neuraminidase treatment
Hybridoma; Heterohybridoma (Igarashi, M. (135) 91)

Neurodegeneration
ELISA, competitive; Alzheimer's disease; Paired helical filament; Tau protein (Harrington, C.R. (134) 261)

Neuropathy
Glycosphingolipid; Monoclonal immunoglobulin; Immunoblot; Affinity filter (Jauberteau, M.O. (134) 107)

Neutrophil
Leukocyte integrin; Flow cytometry; Adherence; Expression (Forsyth, K.D. (128) 159)

Blood, human; Isolation; Priming; Shape change (McFaul, S.J. (130) 15)

Oxidative burst; Phagocytic vacuole; Immune complex stimulation (Ryan, T.C. (130) 223)

Protein digestion; Rhodamine; Flow cytometry (Haynes, A.P. (135) 155)

Nitrocellulose
Immunization method; Subcutaneous implant; (Rabbit) (Coghlan, L.G. (129) 135)

ELISA, spot-; Antibody-secreting cell; Interferon antibody; Hybridoma (Prümmer, O. (130) 187)

Nitrocellulose filter
Dot immunobinding assay; Human blood coagulation factor XII (Wuillemin, W.A. (130) 133)

NK cell
Immunomagnetic cell separation; NK cytotoxicity; Lymphocyte subset; Interleukin-2 stimulation (Pflueger, E. (129) 165)

NK cytotoxicity
Immunomagnetic cell separation; NK cell; Lymphocyte subset; Interleukin-2 stimulation (Pflueger, E. (129) 165)

N-linked carbohydrate
IgD, murine; Lectin; *Bandeiraea* (*Griffonia*) *simplicifolia-1* (Oppenheim, J.D. (130) 243)

Non-amphipathic protein
Iscom; Bovine serum albumin; Quil A; Immunogenicity (Morein, B. (128) 177)

Non-isotopic immunoassay
Latex immunoassay; Latex agglutination; Thyroid hormone (Mareschal, J.C. (131) 137)

Latex agglutination; Particle counting; Choriogonadotropin (Halflants, M. (134) 171)

Nonradioactive labelling
Hybridization assay; Enzyme immunoassay; Nucleic acid (Corti, A. (134) 81)

Non-specific binding
Western blot; Blocking agent; *Ixodes holocyclus*; Allergen (Gauci, M. (126) 51)

Nonspecific esterase
Nycodenz; Gradient centrifugation; Cell separation; Macrophage, peritoneal; Mononuclear leukocyte; Polymorphonuclear leukocyte; Phagocytosis; (Rat) (Fisker, S. (133) 31)

Non-specific interaction
Monoclonal antibody, boronated; Glial fibrillary acidic protein; Hyaluronectin; Immunoreactivity (Pettersson, M.L. (126) 95)

Normal human serum
Neisseria gonorrhoeae; Bactericidal assay (Pettit, R.K. (129) 15)

Nucleated red blood cell
Fetal lymphocyte; Density gradient centrifugation (Bhat, N.M. (131) 147)

Nucleic acid
Hybridization assay; Enzyme immunoassay; Nonradioactive labelling (Corti, A. (134) 81)

Nycodenz
Gradient centrifugation; Cell separation; Macrophage, peritoneal; Mononuclear leukocyte; Polymorphonuclear leukocyte; Phagocytosis; Nonspecific esterase; (Rat) (Fisker, S. (133) 31)

Mononuclear cells; Lymphocytes (Ford, T.C. (134) 237)

O

Octadecylamine-fluorescein isothiocyanate
Natural killer; Cytotoxicity; Flow cytometry; Propidium iodide (Radošević, K. (135) 81)

OKT3
Interleukin-2; Tumor-derived activated cell; Biotherapy (Yannelli, J.R. (130) 91)

O:6,7 lipopolysaccharide
Monoclonal antibody; *Salmonella* serogroup C_1; (Mouse); (Rat) (Luk, J.M.C. (129) 243)

Optimal design
Immunoassay; Microplate 96-well (Bunch, D.S. (132) 247)

Optimization of antibody-antigen interaction
ELISA; Rapid shaking incubator system; Incubation condition; Shaking incubator; Static incubator (Mushens, R.E. (131) 83)

Outer membrane protein
Western blotting; Methodology; *Neisseria meningitidis*; Lipo-oligosaccharide (Davies, R.L. (134) 215)

Ovarian cyst glycoprotein blood group activity
ELISA; Competitive assay; Theoretical model; Human blood group antigen (Chapman, V. (131) 91)

Oxidation
Complement; C2; Oxy C2 (Brickman, C.M. (132) 157)

Oxidative burst
Neutrophil; Phagocytic vacuole; Immune complex stimulation (Ryan, T.C. (130) 223)

Oxy C2
Complement; C2; Oxidation (Brickman, C.M. (132) 157)

P

Paired helical filament
ELISA, competitive; Alzheimer's disease; Tau protein; Neurodegeneration (Harrington, C.R. (134) 261)

Pancreatitis
ELISA; α_2 Macroglobulin-proteinase complex; Clinical assay; Arthritis; Monoclonal antibody (Banks, R.E. (126) 13)

Paraffin section
Ethanol fixation; Leukocyte surface marker; Immunoperoxidase method (Ootaka, T. (131) 183)

Paraformaldehyde
Human immunodeficiency virus; Inactivation (Aloisio, C.H. (128) 281)

Parathyroid hormone-related protein
Monoclonal antibody; Radioimmunoassay (Ratcliffe, W.A. (127) 109)

Particle concentration fluorescence immunoassay
Biologic assay; Interleukin-4; Lymphokine; Immunotherapy; B cell (Custer, M.C. (128) 109)

Particle counting
Latex agglutination; Non-isotopic immunoassay; Choriogonadotropin (Halflants, M. (134) 171)

Particle-enhanced turbidimetric immunoassay
Serum β_2 microglobulin; Calibration stability (Medcalf, E.A. (129) 97)

p17 core protein
HIV-1; Monoclonal antibody; ELISA, sandwich (Cogniaux, J. (128) 165)

Penicillin
IgG1; IgE; IgA; Anamnestic; ELISPOT; Suppressor cell; Natural suppressor cell (Smith, M.C. (131) 55)

Pentosan polysulfate
Monoclonal antibody; ELISA; Dextran sulfate; Glycosaminoglycan polysulfate; Chondroitin sulfate E (Kongtawelert, P. (126) 39)

Peptide
Covalent linkage; Activated nitrocellulose; Immunoblot; Chromatography, thin-layer; Angiotensin; Human immunodeficiency virus (Lauritzen, E. (131) 257)

Peptide antibody
Avidin-biotinyl-peptide complex; Polymer-peptide conjugate; Kinin; Bradykinin; ELISA (Anumula, K.R. (135) 199)

Peptide conjugate
Conjugation method by homobifunctional reagent (DSS); Tolerogen; Protein conjugate (Borel, H. (126) 159)

Peptide dot immunoassay
Helodermin; Peptide histidine isoleucinamide; Peptide histidine methioninamide (Gourlet, P. (133) 151)

Peptide histidine isoleucinamide
Peptide dot immunoassay; Helodermin; Peptide histidine methioninamide (Gourlet, P. (133) 151)

Peptide histidine methioninamide
Peptide dot immunoassay; Helodermin; Peptide histidine isoleucinamide (Gourlet, P. (133) 151)

Peptide immunization
Chromatography, immunoaffinity; Adsorption equilibrium; Histidine; Amino acid replacement (Sada, E. (130) 33)

Peptide-proteosome complexes
Vaccine; Antigen presentation; Immunogenicity; Malaria; Synthetic peptide (Ruegg, C.L. (135) 101)

Percoll
Blood eosinophil; Eosinophil isolation; Metrizamide; Formylmethionylleucylphenylalanine; Immunomagnetic bead (Hansel, T.T. (127) 153)

Perforin
Competition assay; Cytolysis (Jiang, S. (126) 29)

Anti-idiotypic antibody; Complement; Cytolysis; Protection; Membrane restriction; Pore-forming protein (Young, J.D.-E. (128) 133)

Perfusion
Chamber; Macrophage; Intracellular calcium; NAD(P)H; Fluorescence (Ince, C. (128) 227)

Periodate oxidized antibody
Glycoenzyme-polyhydrazide-antibody-antigen complex; Immunoblot; Western blot (Heimgartner, U. (132) 239)

Peritoneal dialysis
Eosinophil; Macrophage (Roberts, R.L. (126) 205)

pH
ELISA; Pneumococcal polysaccharide; Antibody response; Isotype distribution (Elkins, K.L. (130) 123)

Phagocyte
Histological technics; Fluorescence; Inflammation (Axelsson, L.-G. (127) 271)

Dihydrorhodamine 123; Flow microcytofluorometry; Reactive oxygen intermediate; Chronic granulomatous disease (Emmendörffer, A. (131) 269)

Phagocytic vacuole
Neutrophil; Oxidative burst; Immune complex stimulation (Ryan, T.C. (130) 223)

Phagocytosis
Macrophage; *Leishmania major*; Double labeling (Cillari, E. (130) 57)

Nycodenz; Gradient centrifugation; Cell separation; Macrophage, peritoneal; Mononuclear leukocyte; Polymorphonuclear leukocyte; Nonspecific esterase; (Rat) (Fisker, S. (133) 31)

Phase separation
Endotoxin; Lipopolysaccharide; Triton X-114 (Aida, Y. (132) 191)

Photometric quantitation
Fc receptor; Glucose oxidase-anti-glucose oxidase complex; Macrophage; Immune complex; Enzyme-containing immune complexes clearance assay (Matsumoto, T. (129) 283)

Photosensitizer conjugation
Phototoxicity; Polyvinyl alcohol; Benzoporphyrin derivative; Monoclonal antibody (Jiang, F.N. (134) 139)

Phototoxicity
Photosensitizer conjugation; Polyvinyl alcohol; Benzoporphyrin derivative; Monoclonal antibody (Jiang, F.N. (134) 139)

Pinocytosis
Monocyte, human; Macrophage, human; Differentiation (Davies, D.E. (132) 111)

Plaque-forming cell
$CD5^+$; B cell, human; Dynabeads (Jones, B.M. (132) 119)

Plasma
Liver; Metallothionein; Primary biliary cirrhosis; Radioimmunoassay (Mulder, T.P.J. (130) 157)

Tumor necrosis factor; Bioassay; Serum; (Murine) (Holobaugh, P.A. (135) 95)

Plasma clearance
IgG; Immune complex; Liver cell; Fluorescence (Ljunghusen, O. (128) 1)

Plasma, human
Protein A; ELISA; Anti-protein A; Heat denaturation (Nilsson, R. (135) 77)

Plasma level
Big-endothelin-1; Endothelin-1; Enzyme immunoassay, sandwich (Suzuki, N. (127) 165)

Plasma, porcine
Brain natriuretic peptide; porcine; Microenzyme immunoassay; β-D-Galactosidase, porcine brain natriuretic peptide-linked; Immunoreactivity, porcine brain natriuretic peptide-like (Takeyama, M. (130) 217)

Plasmodium falciparum
Antigen detection; Immunoblot; Fusion protein; Factor Xa protease cleavage (Scherf, A. (128) 81)

Platelet-activating factor
Platelet-activating factor radioimmunoassay; Anti-platelet-activating factor; Quantitation of platelet-activating factor (Smal, M.A. (128) 183)

Platelet-activating factor radioimmunoassay
Anti-platelet-activating factor; Platelet-activating factor; Quantitation of platelet-activating factor (Smal, M.A. (128) 183)

Pneumococcal polysaccharide
ELISA; pH; Antibody response; Isotype distribution (Elkins, K.L. (130) 123)

Polyacrylamide gel
Immobilizing matrix; Immunodetection; Immunofiltration; Probe; Blotting (Pinon, J.M. (131) 143)

Polyclonal antibody
Monoclonal antibody; Adenosine deaminase complexing protein; Solid-phase adsorption; Routine immunohistochemistry (Dinjens, W.N.M. (126) 175)

Cu/Zn superoxide dismutase, human; Cu/Zn superoxide dismutase, recombinant; Monoclonal antibody; Epitope analysis; ELISA, super-rapid; ELISA, two-site; ELISA, additive (Porstmann, T. (127) 1)

Quantitative autoradiography; Iodine radioisotope; Albumin; *Escherichia coli* infection (Morrel, E.M. (130) 39)

Polyclonal antiserum
Chimerism; Flow cytometry; (Rodent) (Leenaerts, P.L. (130) 163)

Antigen-antibody complex; Dissociation constant; ELISA; Monoclonal antibody (Kim, B.B. (131) 213)

Haptoglobin; Hemoglobin; Chromatography, affinity; Monoclonal antibody; ELISA (Cerda, S. (134) 51)

Polyethylene glycol
Bioassay; Interleukin-1; Inhibitor (Hopkins, S.J. (133) 127)

Immune complex; Enzyme immunoassay; Complement 3 (Xu, R.-j. (135) 225)

Polymerase chain reaction
Allele-specific amplification; HLA-DP typing (Fugger, L. (129) 175)

Immunoglobulin gene locus; Cloning (Zwickl, M. (130) 49)

T cell receptor; V_β deletion (Spinella, D.G. (135) 209)

Polymer latex particle
Latex agglutination immunoassay; Agglutination kinetic (Kondo, A. (135) 111)

Polymer-peptide conjugate
Peptide antibody; Avidin-biotinyl-peptide complex; Kinin; Bradykinin; ELISA (Anumula, K.R. (135) 199)

Polymorphonuclear leukocyte
Adherence; Endothelial cell; Tumor necrosis factor; Electronic particle sizing (McFaul, S.J. (130) 171)

Nycodenz; Gradient centrifugation; Cell separation; Macrophage, peritoneal; Mononuclear leukocyte; Phagocytosis; Nonspecific esterase; (Rat) (Fisker, S. (133) 31)

Polystyrene
ELISA; Covalent binding; Membrane protein; Detergent; Aldehyde (Lutz, H.U. (129) 211)

Polystyrene monosized bead
T cell expansion; Monoclonal antibody, agonistic (Santamaria, P. (132) 1)

Polyvinyl alcohol
Photosensitizer conjugation; Phototoxicity; Benzoporphyrin derivative; Monoclonal antibody (Jiang, F.N. (134) 139)

Polyvinyl pyrrolidone
Cyclosporin A; Ethanol (Yonish-Rouach, E. (135) 147)

Porcine
Brain natriuretic peptide; Microenzyme immunoassay; β-D-Galactosidase, porcine brain natriuretic peptide-linked; Plasma, porcine; Immunoreactivity, porcine brain natriuretic peptide-like (Takeyama, M. (130) 217)

Pore-forming protein
Anti-idiotypic antibody; Complement; Cytolysis; Protection; Membrane restriction; Perforin (Young, J.D.-E. (128) 133)

Prediction
Islet cell antibody; Immunofluorescent procedure; Insulin-dependent diabetes mellitus; Family study; Reproducibility (Pilcher, C.C. (129) 111)

Preparative isolation
β_2 Microglobulin; Ion exchange; Chromatography, size exclusion (Nelson, S.R. (128) 277)

Primary biliary cirrhosis
Liver; Metallothionein; Plasma; Radioimmunoassay (Mulder, T.P.J. (130) 157)

Primary immunization
Hemolytic plaque size; Rapid sizing; Antibody feedback; Allotype; IgM; IgG; Secondary immunization; Red blood cell, sheep; Red blood cell, burro; Trinitrophenyl (Dresser, D.W. (129) 1)

Primed lymphocyte cytotoxicity assay
Detection of allogeneic cells; Chimerism (Richardson, J.C. (127) 79)

Priming
Neutrophil; Blood, human; Isolation; Shape change (McFaul, S.J. (130) 15)

Pristane
Monoclonal antibody production; Freund's incomplete adjuvant; Ascites (Jones, S.L. (129) 227)

Probe
Immobilizing matrix; Immunodetection; Immunofiltration; Blotting; Polyacrylamide gel (Pinon, J.M. (131) 143)

Procoagulant activity
Thromboplastin; Monocyte; Macrophage; Methodology; Coagulation; Endotoxin (Jungi, T.W. (133) 21)

Proliferating cell nuclear antigen
Cyclin; Monoclonal antibody; Cell proliferation; Antinuclear antibody; ELISA (Takasaki, Y. (132) 227)

Proliferation
T lymphocyte; Concanavalin A dose-response; Suppression; Mathematical model (Nikš, M. (126) 263)

Splenic colony-forming unit separation; Differentiation (Lepault, F. (128) 249)

Propidium iodide
Natural killer; Cytotoxicity; Flow cytometry; Octadecylamine-fluorescein isothiocyanate (Radošević, K. (135) 81)

Protection
Anti-idiotypic antibody; Complement; Cytolysis; Membrane restriction; Perforin; Pore-forming protein (Young, J.D.-E. (128) 133)

Monoclonal antibody; Labeling; Iodination (Ramjeesingh, M. (133) 159)

Protective antibody
Avidity; Monoclonal antibody, human/murine; Conjugate vaccine (Bruderer, U. (133) 263)

Protein
Structure; Hydropathy (Huang, M.C. (129) 77)

Protein A
IgG (Sisson, T.H. (127) 215)

ELISA; Plasma, human; Anti-protein A; Heat denaturation (Nilsson, R. (135) 77)

α_1-Proteinase-inhibitor
Leukocyte elastase (EC: 3.4.21.11), human; ELISA (Kramer, M.D. (131) 41)

Protein blot
ELISA; Antibody reactivity; Lentivirus; Immunoassay; Monoclonal antibody (Lo, W.-C.J. (128) 17)

Protein conjugate
Conjugation method by homobifunctional reagent (DSS); Tolerogen; Peptide conjugate (Borel, H. (126) 159)

Protein determination
Immunoglobulin, mouse; Monoclonal antibody, rat; ELISA (Delaunay, T. (131) 33)

Protein digestion
Neutrophil; Rhodamine; Flow cytometry (Haynes, A.P. (135) 155)

Protein epitope
Echinococcosis; Monoclonal antibody; Antigen 5; Hydatid patient serum; Immunodiagnosis (Chamekh, M. (134) 129)

Protein G
IgM; IgA; Human immunodeficiency virus; Seroconversion (Weiblen, B.J. (126) 199)

Erythrophagocytosis assay; ELISA, cellular; Erythrocyte bound IgG (Sheiban, E. (135) 139)

Protein L; Immunization; ELISA; Western blotting; (Rabbit); (Antibody) (Elbashir, M.I. (135) 171)

Protein L
Protein G; Immunization; ELISA; Western blotting; (Rabbit); (Antibody) (Elbashir, M.I. (135) 171)

Protein purification
Immunoglobulin; Thiophilic adsorption; Colostrum; (Pig) (Hutchens, T.W. (128) 89)

Pulsed field gel electrophoresis
DNA fragment separation (O'Reilly, M.-A.J. (131) 1)

Purification
IgM; Chromatography, affinity; Complement 1 (Nethery, A. (126) 57)

Q

Quantification
Binding; Endocytosis; Flow cytometry (Torres, J.M. (134) 163)

Quantitation of platelet-activating factor
Platelet-activating factor radioimmunoassay; Anti-platelet-activating factor; Platelet-activating factor (Smal, M.A. (128) 183)

Quantitative autoradiography
Iodine radioisotope; Polyclonal antibody; Albumin; *Escherichia coli* infection (Morrel, E.M. (130) 39)

Quantitative fluorescence
HLA-DR antigen; Keratinocytes; ISIT-camera quantitation (Kinn, S.R. (134) 243)

Quil A
Iscom; Bovine serum albumin; Immunogenicity; Non-amphipathic protein (Morein, B. (128) 177)

R

Rabbit serum albumin
Malondialdehyde; ELISA (Lung, C.C. (128) 127)

Rabies virus glycoprotein
Monoclonal antibody; Chromatography, affinity; Chromatography, high performance liquid (Santucci, A. (127) 131)

Radioactive iodination
CD4, surface; Sulfosuccinimidyl (hydroxyphenyl) propionate (Portolés, P. (129) 105)

Radioantigen binding assay
ELISA; *Haemophilus influenzae* type b; *Haemophilus* b oligosaccharide-human albumin conjugate (Phipps, D.C. (135) 121)

Radioassay
Monocyte; Mycobacteria; Bactericidal (Blanchard, D.K. (133) 285)

Radioimmunoassay
Parathyroid hormone-related protein; Monoclonal antibody (Ratcliffe, W.A. (127) 109)

Thymus; Thymulin; Hormone (Safieh, B. (127) 255)

Enzyme immunoassay; Histamine; 1-Methylhistamine; Monoclonal antibody (Hammar, E. (128) 51)

Liver; Metallothionein; Plasma; Primary biliary cirrhosis (Mulder, T.P.J. (130) 157)

Anti-Ro/SSA antibody (Yoshida, S. (131) 113)

Major histocompatibility complex class II; Intestine; Epithelium (Whiting, C.V. (133) 169)

Insulin; Rat insulin; ELISA (Webster, H.V. (134) 95)

Anti-albumin; Liposome; Micro-albumin; Solid phase; Sulforhodamine B (Frost, S.J. (134) 207)

Rapid shaking incubator system
ELISA; Incubation condition; Shaking incubator; Static incubator; Optimization of antibody-antigen interaction (Mushens, R.E. (131) 83)

Rapid sizing
Hemolytic plaque size; Antibody feedback; Allotype; IgM; IgG; Primary immunization; Secondary immunization; Red blood cell, sheep; Red blood cell, burro; Trinitrophenyl (Dresser, D.W. (129) 1)

Rate constant
Monoclonal antibody; Enzyme immunoinhibition; Alkaline phosphatase; Graphical determination; Antibody-antigen interaction (Cumme, G.A. (128) 241)

Rat insulin
Insulin; ELISA; Radioimmunoassay (Webster, H.V. (134) 95)

Reactive oxygen intermediate
Dihydrorhodamine 123; Flow microcytofluorometry; Phagocyte; Chronic granulomatous disease (Emmendörffer, A. (131) 269)

Receptor
Leishmania; Amastigote; Macrophage; Binding assay (Mosser, D.M. (130) 235)

Red blood cell, burro
Hemolytic plaque size; Rapid sizing; Antibody feedback; Allotype; IgM; IgG; Primary immunization; Secondary immunization; Red blood cell, sheep; Trinitrophenyl (Dresser, D.W. (129) 1)

Red blood cell, sheep
Hemolytic plaque size; Rapid sizing; Antibody feedback; Allotype; IgM; IgG; Primary immunization; Secondary immunization; Red blood cell, burro; Trinitrophenyl (Dresser, D.W. (129) 1)

Redirected lysis
Hybrid antibody; Targeting retrovirus (Moran, T.M. (129) 199)

Regeneration
Dissociation; Immobilization; ELISA; Model system (Blanchard, G.C. (130) 263)

Removal of mononuclear phagocytes
Mononuclear phagocyte; Liposome encapsulated dichloromethylene diphosphonate; Heterogeneous cell population (Claassen, I. (134) 153)

Reproducibility
Islet cell antibody; Immunofluorescent procedure; Insulin-dependent diabetes mellitus; Prediction; Family study (Pilcher, C.C. (129) 111)

Reverse haemolytic plaque assay
Cytokine; Immunocytochemistry; Neoplasia (Lewis, C.E. (127) 51)

Rheumatoid arthritis
Enzyme immunoassay, sandwich; Tissue inhibitor of metalloproteinases; Collagenase inhibitor; Monoclonal antibody (Kodama, S. (127) 103)

C1 activation; C1 inactivator-C1r-C1s complex; Spondylarthritic syndrome; HLA-B27-associated arthritis (Laurell, A.-B. (129) 55)

Ricinus communis agglutinin; *Bandeiraea simplicifolia* lectin; Glycosylation; IgG (Sumar, N. (131) 127)

Rhodamine
Neutrophil; Protein digestion; Flow cytometry (Haynes, A.P. (135) 155)

Ribonuclease
Enzyme immunoassay; T-2 toxin; Citraconylation; Chromatography (Warden, B.A. (131) 77)

Ribosome-inactivating protein
Immunotoxin; Gelonin; Momordin; Ricin A chain; Chromatography, high performance liquid immunoaffinity; Cibacron Blue F3GA (Cumber, A.J. (135) 15)

Ricin A chain
Immunoconjugate; CD4; Human immunodeficiency virus (Ghetie, V. (126) 135)

Immunotoxin; Gelonin; Momordin; Ribosome-inactivating protein; Chromatography, high performance liquid immunoaffinity; Cibacron Blue F3GA (Cumber, A.J. (135) 15)

***Ricinus communis* agglutinin**
Bandeiraea simplicifolia lectin; Glycosylation; IgG; Rheumatoid arthritis (Sumar, N. (131) 127)

RNA precipitation
Anti-Ro/SS-A; Anti-La/SS-B; ELISA; Immunoblot; Counterimmunoelectrophoresis (Meilof, J.F. (133) 215)

Rosette
Basophil; IgE; Monoclonal antibody; Fc_ϵ RI; Histamine (Schroeder, J.T. (133) 269)

Rotating disk
ELISA; Antibody-antigen kinetics; Electrochemical detection; Mass transfer control (Huet, D. (135) 33)

Routine assay
Covalent enzyme-linked immunoassay; Immune complex; HIV-1; Cytomegalovirus; Serum, human (Thomas, V. (133) 13)

Routine immunohistochemistry
Polyclonal antibody; Monoclonal antibody; Adenosine deaminase complexing protein; Solid-phase adsorption (Dinjens, W.N.M. (126) 175)

S

Salmonella enteritidis
Latex immunoassay; IgM detection; Colored latex; *Trichinella spiralis* (Lim, P.L. (135) 9)

***Salmonella* serogroup C_1**
Monoclonal antibody; O:6,7 lipopolysaccharide; (Mouse); (Rat) (Luk, J.M.C. (129) 243)

***Salmonella typhi* endotoxin**
Latex immunoassay; Magnetic bead (Lim, P.-L. (135) 257)

Sarcoidosis
Lipocortin 1; ELISA; Bronchoalveolar lavage; Inflammation; Glucocorticoid (Smith, S.F. (131) 119)

Scintigraphy
Lymphocyte; Technetium-99m; Theoretical model; (Rat) (Benestad, H.B. (135) 1)

SDS-PAGE
SSA/Ro, 52 kDa; SSB/La, 48 kDa; Auto-antibody (Buyon, J.P. (129) 207)

Secondary immunization
Hemolytic plaque size; Rapid sizing; Antibody feedback; Allotype; IgM; IgG; Primary immunization; Red blood cell, sheep; Red blood cell, burro; Trinitrophenyl (Dresser, D.W. (129) 1)

Secretory component
Monoclonal antibody, human; Immunohistochemistry (Ditzel, H. (133) 245)

Seminal plasma
SP-40,40; Monoclonal antibody; ELISA (Choi, N.-H. (131) 159)

Sensitivity
Homogeneous immunoglobulin components; Immunoblot; Isoelectric focusing; High resolution electrophoresis (Nooij, F.J.M. (134) 273)

Flow cytometry; Immunofluorescence; Membrane antigen (Zola, H. (135) 247)

Sensor
Biotin; Immunoassay; Streptavidin; Light addressable potentiometric sensor; Filtration (Olson, J.D. (134) 71)

Seroconversion
Protein G; IgM; IgA; Human immunodeficiency virus (Weiblen, B.J. (126) 199)

Serum
Tumor necrosis factor; Bioassay; Plasma; (Murine) (Holobaugh, P.A. (135) 95)

Serum β_2 microglobulin
Particle-enhanced turbidimetric immunoassay; Calibration stability (Medcalf, E.A. (129) 97)

Serum-free
Hybridoma; Monoclonal antibody (Schneider, Y.-J. (129) 251)

Serum, human
Routine assay; Covalent enzyme-linked immunoassay; Immune complex; HIV-1; Cytomegalovirus (Thomas, V. (133) 13)

Shaking incubator
ELISA; Rapid shaking incubator system; Incubation condition; Static incubator; Optimization of antibody-antigen interaction (Mushens, R.E. (131) 83)

Shape change
Neutrophil; Blood, human; Isolation; Priming (McFaul, S.J. (130) 15)

Signal amplification
Immunoassay; Multilayer formation; Immunological method; Immunoenzyme method (Naser, W.L. (129) 151)

Simultaneous multiple peptide synthesis
T cell determinant analysis (Maeji, N.J. (134) 23)

Single laser multiparameter analysis
Flow cytometry; Staining parameter (Maurer, D. (135) 43)

Skin window
^{111}In-labeled granulocyte; Inflammation (Pinching, A.J. (126) 7)

Smooth muscle antibody
Anti-actin antibody; Autoimmune hepatitis; Chronic liver disease; Immunofluorescence (Fusconi, M. (130) 1)

Sodium dodecyl sulfate
Immunoblot; Autoimmune disease; Antinuclear antibody; Tween 20 (Van Dam, A.P. (129) 63)

Sodium pyruvate
Erythrocyte; Chromium release assay (Colsky, A.S. (129) 139)

Solid phase
Anti-albumin; Liposome; Micro-albumin; Radioimmunoassay; Sulforhodamine B (Frost, S.J. (134) 207)

Solid-phase adsorption
Polyclonal antibody; Monoclonal antibody; Adenosine deaminase complexing protein; Routine immunohistochemistry (Dinjens, W.N.M. (126) 175)

Solid-phase coating antigen
Atrazine; ELISA; Monoclonal antibody; Hapten-nylon conjugate (Verschoor, J.A. (127) 43)

SP-40,40
Monoclonal antibody; ELISA; Seminal plasma (Choi, N.-H. (131) 159)

Specific IgG
Affinity; Multiple sclerosis (Luxton, R.W. (131) 277)

Specificity
IgM; IgG; Antibody, rabbit; Enzyme immunoassay; Double antibody method (Tanimori, H. (129) 233)

Spectophotometric quantification
Adhesion assay; Cell-cell interaction (Bruynzeel, I. (132) 51)

Spleen
Fluorescence-activated cell sorter; Dendritic cell; Monoclonal antibody; Antigen presenting cell; Mixed leukocyte reaction (Crowley, M.T. (133) 55)

Spleen cell hybridoma
Mouse serum; Tissue culture; Monoclonal antibody (Persson, M.A.A. (127) 39)

Splenic colony-forming unit separation
Proliferation; Differentiation (Lepault, F. (128) 249)

Spondylarthritic syndrome
C1 activation; C1 inactivator-C1r-C1s complex; Rheumatoid arthritis; HLA-B27-associated arthritis (Laurell, A.-B. (129) 55)

Spot ELISA modification
Anti-hapten response; ELISA plaque; ELISPOT (Greene, G. (129) 187)

SSA/Ro, 52 kDa
SDS-PAGE; SSB/La, 48 kDa; Auto-antibody (Buyon, J.P. (129) 207)

SSB/La, 48 kDa
SDS-PAGE; SSA/Ro, 52 kDa; Auto-antibody (Buyon, J.P. (129) 207)

Staining parameter
Flow cytometry; Single laser multiparameter analysis (Maurer, D. (135) 43)

Staphylococcal enterotoxin B
ELISA; ELIFA (Dupont, H. (128) 287)

Static incubator
ELISA; Rapid shaking incubator system; Incubation condition; Shaking incubator; Optimization of antibody-antigen interaction (Mushens, R.E. (131) 83)

Streptavidin
Biotin; Avidin; Fluorescence; Immunoassay (Der-Balian, G.P. (126) 281)

Liposome; Biotin; Targeted-liposome (Loughrey, H.C. (132) 25)

Avidin; Biotin; Dissociation rate constants (Piran, U. (133) 141)

Sensor; Biotin; Immunoassay; Light addressable potentiometric sensor; Filtration (Olson, J.D. (134) 71)

Streptococcal protein G
ELISA; (Antibody); (Chicken) (Larsson, A. (135) 273)

***Streptococcus pneumoniae* type 14**
Biotinylated polysaccharide; ELISA; ELISPOT assay (Verheul, A.F.M. (126) 79)

Structure
Protein; Hydropathy (Huang, M.C. (129) 77)

Subcutaneous implant
Immunization method; Nitrocellulose; (Rabbit) (Coghlan, L.G. (129) 135)

Subnucleosome
ELISA; Histone; Anti-histone antibody; Bicinchoninic acid (Burlingame, R.W. (134) 187)

Sulforhodamine B
Anti-albumin; Liposome; Micro-albumin; Radioimmunoassay; Solid phase (Frost, S.J. (134) 207)

Sulfosuccinimidyl (hydroxyphenyl) propionate
CD4, surface; Radioactive iodination (Portolés, P. (129) 105)

Suppression
T lymphocyte; Concanavalin A dose-response; Proliferation; Mathematical model (Nikš, M. (126) 263)

Suppressor cell
IgG1; IgE; IgA; Anamnestic; ELISPOT; Natural suppressor cell; Penicillin (Smith, M.C. (131) 55)

Suppressor T cell factor
Lipocortin; Bee venom phospholipase A_2; IgE-binding factor (Carini, C. (127) 221)

Surface antigen
Microassay; Immunofluorescence; Intracellular antigen (Pitzurra, L. (135) 71)

Surrogate receptor
Lectin; Fc receptor; Hybrid antibody; Cell-cell interaction; Cellular cytotoxicity (Peacock, J.S. (126) 147)

Synthetic peptide
Transforming growth factor α; ELISA; Monoclonal antibody; Neoantigenicity; Cancer (Inagaki, H. (128) 27)

Covalent coupling; Neodeterminant; Immunization; Antibody response (Deen, C. (129) 119)

Conjugation; Glutaraldehyde two-step reaction (Zegers, N. (130) 195)

Immobilization; ELISA; CovaLink; Angiotensin II; HIV-2 (Søndergård-Andersen, J. (131) 99)

Vaccine; Antigen presentation; Peptide-proteosome complexes; Immunogenicity; Malaria (Ruegg, C.L. (135) 101)

Systemic lupus erythematosus
Anti-DNA antibody; ELISA (Emlen, W. (132) 91)

T

Tandem fluorochrome conjugate
Flow cytometry; Three-color immunofluorescence; Texas red (Festin, R. (126) 69)

Targeted-liposome
Liposome; Streptavidin; Biotin (Loughrey, H.C. (132) 25)

Targeting retrovirus
Hybrid antibody; Redirected lysis (Moran, T.M. (129) 199)

Tau protein
ELISA, competitive; Alzheimer's disease; Paired helical filament; Neurodegeneration (Harrington, C.R. (134) 261)

T cell
Immunotherapy; Microcapsule; Tumor infiltrating lymphocyte (TIL) (Reilly, E.B. (126) 273)

CD4; Detection; Flow cytometry; AIDS; Monocyte (Filion, L.G. (135) 59)

T cell activation
Calcium; T lymphocyte; Flow cytometry; Fluo-3 (Vandenberghe, P.A. (127) 197)

T cell antigen
Two-dimensional electrophoresis; Mycobacterium; Bacterial lysate; Electroelution (Gulle, H. (133) 253)

T cell determinant analysis
Simultaneous multiple peptide synthesis (Maeji, N.J. (134) 23)

T cell expansion
Polystyrene monosized bead; Monoclonal antibody, agonistic (Santamaria, P. (132) 1)

T cell receptor
Polymerase chain reaction; V_β deletion (Spinella, D.G. (135) 209)

T cell response
Immunogenic peptide; MHC class II; Direct binding assay; Avidin; (Methods); (Review) (Busch, R. (134) 1)

T cell subset
Field study; Immunological method; Blood smear (Lisse, I.M. (129) 49)

Technetium-99m
Lymphocyte; Scintigraphy; Theoretical model; (Rat) (Benestad, H.B. (135) 1)

Terminal deoxynucleotidyl transferase
Acute lymphoblastic leukemia; Flow cytometry; Minimal residual disease (Gore, S.D. (132) 275)

Tetramethylbenzidine
Myeloperoxidase; Eosinophil peroxidase; Aminotriazole; Dapsone; CETAB (Bozeman, P.M. (126) 125)

Immunoassay; Horseradish peroxidase; Blot (McKimm-Breschkin, J.L. (135) 277)

Tetrazolium salt
Hematopoietic growth factor; Bone marrow assay; Colorimetric assay (Kotnik, V. (129) 23)

Texas red
Flow cytometry; Three-color immunofluorescence; Tandem fluorochrome conjugate (Festin, R. (126) 69)

Theoretical model
ELISA; Competitive assay; Ovarian cyst glycoprotein blood group activity; Human blood group antigen (Chapman, V. (131) 91)

Lymphocyte; Technetium-99m; Scintigraphy; (Rat) (Benestad, H.B. (135) 1)

Thiophilic adsorption
Immunoglobulin; Protein purification; Colostrum; (Pig) (Hutchens, T.W. (128) 89)

Three-color immunofluorescence
Flow cytometry; Texas red; Tandem fluorochrome conjugate (Festin, R. (126) 69)

Thromboplastin
Procoagulant activity; Monocyte; Macrophage; Methodology; Coagulation; Endotoxin (Jungi, T.W. (133) 21)

Thymulin
Thymus; Radioimmunoassay; Hormone (Safieh, B. (127) 255)

Thymus
Radioimmunoassay; Thymulin; Hormone (Safieh, B. (127) 255)

Thyroid hormone
Latex immunoassay; Latex agglutination; Non-isotopic immunoassay (Mareschal, J.C. (131) 137)

Thyroid stimulating epitope
Thyroid stimulating hormone; Glycoprotein hormone; Monoclonal antibody; Anti-thyroid stimulating hormone (Braun, J.M. (132) 197)

Thyroid stimulating hormone
Glycoprotein hormone; Monoclonal antibody; Anti-thyroid stimulating hormone; Thyroid stimulating epitope (Braun, J.M. (132) 197)

Thyroxine
Immunoassay; Hapten heterology; Triiodothyronine; Cooperative binding (Piran, U. (133) 207)

Time-resolved fluorescence
DNA methylation; 7-Methyl-2′-deoxyguanosine; Fluoroimmunoassay; ELISA (Degan, P. (133) 119)

Europium; Cytotoxicity assay; Cryopreserved target (Maley, D.T. (134) 61)

Tissue culture
Spleen cell hybridoma; Mouse serum; Monoclonal antibody (Persson, M.A.A. (127) 39)

Tissue inhibitor of metalloproteinases
Enzyme immunoassay, sandwich; Collagenase inhibitor; Monoclonal antibody; Rheumatoid arthritis (Kodama, S. (127) 103)

T lymphocyte
Concanavalin A dose-response; Proliferation; Suppression; Mathematical model (Nikš, M. (126) 263)

Calcium; Flow cytometry; T cell activation; Fluo-3 (Vandenberghe, P.A. (127) 197)

T lymphocyte clone, human
Monoclonal antibody, anti-CD3; Monoclonal antibody, anti-CD28; Antigen specificity (Riddell, S.R. (128) 189)

TNF
Cell death; Cytotoxic and cytostatic effects; Ethidium bromide fluorescence (Beletsky, I.P. (134) 201)

Tolerance
Auto-antibody; Autoimmune disease; Animal model (Mundlos, S. (127) 279)

Tolerogen
Conjugation method by homobifunctional reagent (DSS); Protein conjugate; Peptide conjugate (Borel, H. (126) 159)

Toxoplasma
Diphenylene iodonium; Macrophage; Hydrogen peroxide; Antimicrobial activity (Robertson, A.K. (133) 175)

Transfection
Chloramphenicol acetyltransferase assay; Immunofluorescence; B lymphocyte; B chronic lymphocytic leukemia (Buschle, M. (133) 77)

Transforming growth factor α
ELISA; Monoclonal antibody; Synthetic peptide; Neoantigenicity; Cancer (Inagaki, H. (128) 27)

Transforming growth factor β
Anti-peptide antiserum (Van den Eijnden-Van Raaij, A.J.M. (133) 107)

Transplantation
ELISA; Anti-globulin; Monoclonal antibody; Anti-idiotype (Cobbold, S.P. (127) 19)

Trichinella spiralis
Latex immunoassay; IgM detection; Colored latex; *Salmonella enteritidis* (Lim, P.L. (135) 9)

Triiodothyronine
Immunoassay; Hapten heterology; Thyroxine; Cooperative binding (Piran, U. (133) 207)

Trinitrophenyl
Hemolytic plaque size; Rapid sizing; Antibody feedback; Allotype; IgM; IgG; Primary immunization; Secondary immunization; Red blood cell, sheep; Red blood cell, burro (Dresser, D.W. (129) 1)

Triple color immunofluorescence
Acridine orange; 7-Amino-4-methylcoumarin-3-acetic acid; Flow cytometry (Aubry, J.-P. (128) 39)

Triton X-114
Endotoxin; Lipopolysaccharide; Phase separation (Aida, Y. (132) 191)

T-2 toxin
Enzyme immunoassay; Ribonuclease; Citraconylation; Chromatography (Warden, B.A. (131) 77)

Tuberculosis
Latex agglutination; Antigen detection (Cambiaso, C.L. (129) 9)

Tumor cell
Hybridoma, human × human; Monoclonal antibody, human; B cell growth factor (Hagiwara, H. (135) 263)

Tumor-derived activated cell
Interleukin-2; Biotherapy; OKT3 (Yannelli, J.R. (130) 91)

Tumor infiltrating lymphocyte
Hollow fiber; Interleukin-2; Cell culture; Lymphocyte (Knazek, R.A. (127) 29)

Tumor infiltrating lymphocyte (TIL)
Immunotherapy; Microcapsule; T cell (Reilly, E.B. (126) 273)

Tumor necrosis factor
Polymorphonuclear leukocyte; Adherence; Endothelial cell; Electronic particle sizing (McFaul, S.J. (130) 171)

Lymphotoxin; Cytokine; ELISA, antibody; (Antibody) (Lamche, H.R. (131) 283)

Immunoassay; Magnetic monodisperse polymer particle (Liabakk, N.-B. (134) 253)

Bioassay; Plasma; Serum; (Murine) (Holobaugh, P.A. (135) 95)

Tumor necrosis factor β
Lymphotoxin; Monoclonal antibody; Immunoassay (Adolf, G.R. (130) 177)

Tumor target
Colorimetric assay; MTT tetrazolium salt; Macrophage cytotoxicity (Ferrari, M. (131) 165)

Tween 20
Immunoblot; Autoimmune disease; Antinuclear antibody; Sodium dodecyl sulfate (Van Dam, A.P. (129) 63)

Two-color immunofluorescence
Lymphocyte subset; Flow cytometry; Monoclonal antibody; Density gradient separation; Whole blood preparation (Mansour, I. (127) 61)

Two-dimensional electrophoresis
Mycobacterium; Bacterial lysate; Electroelution; T cell antigen (Gulle, H. (133) 253)

Type IV collagenase
ELISA, capture; Modified sandwich assay; Enzyme-substrate capture; Gelatin capture (Wacher, M.P. (126) 239)

U

U937 cell
Fc receptor; Calibrated flow cytometry; Blood monocyte, human (Christensen, J. (132) 211)

Ultrasound
Electrofusion; Electroacoustic cell fusion; Hybridoma, murine (Bardsley, D.W. (129) 41)

Urea
Immune complex; Isoelectric focusing; Agarose gel; (Antigen); (Antibody) (Hoffman, W.L. (132) 103)

Urokinase receptor
Urokinase-type plasminogen activator; Monoclonal antibody (Zacharias, U. (130) 81)

Urokinase-type plasminogen activator
Urokinase receptor; Monoclonal antibody (Zacharias, U. (130) 81)

V

Vaccine
Antigen presentation; Peptide-proteosome complexes; Immunogenicity; Malaria; Synthetic peptide (Ruegg, C.L. (135) 101)

Variable region domain
Immunoglobulin; Immunogen; (Antigen) (Black, A. (127) 123)

V_β deletion
T cell receptor; Polymerase chain reaction (Spinella, D.G. (135) 209)

Video image analysis
Immuno-staining; Visual analysis (Norazmi, M.-N. (131) 223)

Viral antibody
ELISA; IgM; Glutaraldehyde; Herpes simplex; Measles (Sharief, M.K. (130) 19)

Visual analysis
Immuno-staining; Video image analysis (Norazmi, M.-N. (131) 223)

Vitronectin
Fibronectin; Cell adhesion; Monoclonal antibody; Extracellular matrix (Underwood, P.A. (127) 91)

W

Wegener's granulomatosis
ELISA; Anti-neutrophil cytoplasm antibody; α-Granule (Rasmussen, N. (127) 139)

Western blot
Blocking agent; Non-specific binding; *Ixodes holocyclus*; Allergen (Gauci, M. (126) 51)

HIV-1; Core protein; Monoclonal antibody (Liang, C.-M. (132) 57)

Periodate oxidized antibody; Glycoenzyme-polyhydrazide-antibody-antigen complex; Immunoblot (Heimgartner, U. (132) 239)

Western blotting
Methodology; *Neisseria meningitidis*; Outer membrane protein; Lipooligosaccharide (Davies, R.L. (134) 215)

Protein L; Protein G; Immunization; ELISA; (Rabbit); (Antibody) (Elbashir, M.I. (135) 171)

Whole blood preparation
Lymphocyte subset; Flow cytometry; Monoclonal antibody; Two-color immunofluorescence; Density gradient separation (Mansour, I. (127) 61)

X

Xanthine oxidase
Chemiluminescent enzyme immunoassay; Hapten; Antibody (Fert, V. (131) 237)

Y

Yeast expression system
Hybridoma; Monoclonal antibody; Colony replica assay; Affinity maturation; Bacterial expression system (Gherardi, E. (126) 61)

Yeast killer toxin
Cell wall receptor; Anti-idiotypic antibody; Immunofluorescence (Polonelli, L. (132) 205)

Notes to authors

Submission of a paper to the Journal of Immunological Methods is understood to imply that it has not previously been published and that it is not being considered for publication elsewhere. It will also be assumed that submission has the approval of all the authors.

Manuscripts should be addressed to one of the editors:

V. Nussenzweig, *Department of Pathology, New York University Medical Center, School of Medicine, 550 First Avenue, New York, NY 10016, U.S.A.*

M.W. Turner, *Department of Immunology, Institute of Child Health, University of London, 30 Guilford Street, London WC1N 1EH, U.K.*

In the event of rejection manuscripts will be retained in the Editorial Office for 3 months so that authors may request the return of any original material. *Unclaimed material will be discarded after this time.*

Informed consent

Investigations on human subjects must include a statement indicating that informed consent was obtained after the nature and possible consequences of the studies had been fully explained.

Animal welfare

Authors using experimental animals must state that their care was in accordance with institutional guidelines. For animals subjected to invasive procedures, the anesthetic, analgesic and tranquilizing agents used, as well as the amounts and frequency of administration, must be stated.

Types of papers

Review-type articles on methods, including their development, applicability and present status, usually by invitation; *research reports,* full-length articles describing original work; *short communications; technical notes; letters to the editors* — in order to expedite publication of the letters no proofs will be sent to the authors; *book reviews, software notices. News* and *announcements* are welcomed.

Preparation of the text

To avoid unnecessary delays authors should adhere strictly to the following instructions.

The length of articles should be restricted to eight printed pages, i.e., approximately 20 manuscript pages. The manuscript should be accompanied by a title page and an abstract. *In order to expedite publication the original and two copies are required.*

Manuscripts should be typewritten with double spacing and wide margins. Words to be printed in '*italics*' should be underlined. The metric system is to be used throughout.

Electronic manuscripts

It is essential that the floppy disk submitted for publication (viz., *after acceptance*) is the *final corrected version* of the article and *exactly* matches the accompanying final manuscript. Illustrations will be handled conventionally. The preferred storage medium is a $5\frac{1}{4}$ or $3\frac{1}{2}$ inch disk in MS-DOS (or MS-DOS compatible) format, although other systems are acceptable, e.g., Macintosh. Please specify the type of computer and word processing package used (do *not* convert your text file to plain ASCII). Ensure that the digit '1' and letter 'l' (also digit '0' and letter 'O') have been used properly, and format your article (tabs, indents, etc.) *consistently*. Non-standard characters (Greek letters, mathematical symbols, etc.) should be used consistently throughout the text; make a list of such characters and provide a key. Do not allow your word processor to introduce word splits and do not use a 'justified' layout. Please adhere strictly to the general instructions on style/arrangement and, in particular, the reference style of the journal. Further information may be obtained from the publisher.

Title page

The title page should be a separate sheet, and should include: the title, the name(s) of the author(s) and their affiliations. The address for correspondence should be given separately.

Abstract

The abstract, not more than 5% of the length of the article, should be on a separate sheet. It will appear at the beginning of the paper.

Key words

Key words should be provided at the foot of the abstract. Normally 3–6 items should be included.

Abbreviations

Abbreviations used in the paper should be provided as a footnote on the first page of the article.

References

References in the text start with the name of the author(s), followed by the publication date in brackets, e.g.: 'Rossi (1985) has shown the importance of ...', or, '... has been described (Rossi, 1985; Brown et al., 1986) ...', using date order.

The references in the reference list should be in alphabetical order and typed double-spaced on sheets separate from the text.

References to journals should contain names and initials of the author(s), year of publication (between brackets), article title, abbreviation of the name of the journal according to the *List of Serial Title Word Abbreviations* (International Serials Data System, 20, rue Bachaumont, 75002 Paris, France. ISBN 2-904938-02-8), volume number and page number. References to books should also include the title (of series and volume), initials and names of the editor(s) and, between brackets, publisher and place of publication.

Examples

Troncone, R., Vitale, M., Donatiello, A., Farris, E., Rossi, G. and Auricchio, S. (1986) A sandwich enzyme immunoassay for wheat gliadin. J. Immunol. Methods 92, 21.

Strauss, J.H. and Strauss, E.G. (1985) Antigenic structure of togaviruses. In: M.H.V. Van Regenmortel and A.R. Neurath (Eds.), Immunochemistry of Viruses. Elsevier, Amsterdam, p. 407.

Campbell, A.M. (1984) In: R.H. Burdon and P.H. Van Knippenberg (Eds.), Laboratory Techniques in Biochemistry and Molecular Biology, Vol. 13, Monoclonal Antibody Technology. Elsevier, Amsterdam, p. 75.

Tables and figures

Tables should be compiled on separate sheets and numbered in Roman numerals.

Three sets of figures are to be submitted. At least one set must be of publication quality and the other two sets must be clear enough to be useful to the referees. Figures should be completely lettered, the size of the lettering being appropriate, taking into account the necessary reduction in size (preferably not more than one third). The page format should be considered in designing the figures. The figures should be numbered in Arabic numerals.

Photographs must be of good quality, printed on glossy paper. Photocopies of photomicrographs are not acceptable. Colour photographs are accepted but the contributor must meet the extra costs incurred.

Tables, figures and photographs should be clearly marked on the reverse side with the number, author's name and orientation (top); use a soft pencel or preferably a felt-tipped pen for marking photographs. Legends should be supplied on separate sheets.

Software notices

(1) Software submitted to this section must be noncommercial and of use to immunologic laboratories. It should involve methods of data analysis and/or visualization, or utilize a novel approach to techniques within the scope of the Journal of Immunological Methods.

(2) By submitting software, the authors agree to allow unlimited distribution of the software and documentation, if accepted. Actual distribution is coordinated through the software notice editor. A directory of available software will be listed periodically in the journal, and updates submitted by the original authors will be automatically added to the directory.

(3) Submission of software to be considered in the software notice section is to be made directly to the software notice editor, Stephen J. Merrill, *Department of Mathematics, Statistics and Computer Science, Marquette University, Milwaukee, WI 53233, U.S.A.*, and should consist of:

(i) two copies of the source code and/or binaries (compiled version);

(ii) one printed and one machine-readable (disk) version of the documentation;

(iii) a 1–2 page description of the software including the following: title of the software package, primary purpose, type of computer, hardware/memory requirements, a short example illustrating its use, and all necessary references. The actual 'notice' will be an edited version of this description. The description should be looked on as an item which may be referenced in other papers.

(4) The software, documentation, and description will be quickly reviewed and tested with special attention to completeness of the documentation and ease of use. Necessary revisions will be communicated to the authors by the section editor.

Proofs and reprints

One set of proofs will be supplied for the author to check for type-setting accuracy. *No changes to the original manuscript will be allowed at this stage.*

Each author receives, with his proofs, a reprint order form, which he is asked to complete and return to Elsevier Science Publishers B.V., P.O. Box 1527, 1000 BM Amsterdam, The Netherlands, together with the proofs. In case of courier service, please use the following address: Elsevier Science Publishers B.V., Molenwerf 1, 1014 AG Amsterdam, The Netherlands.

There will be no page charge.

© 1991 Elsevier Science Publishers B.V. (Biomedical Division)
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of the publisher, Elsevier Science Publishers B.V. (Biomedical Division), P.O. Box 1527, 1000 BM Amsterdam, The Netherlands.

No responsibility is assumed by the publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions of ideas contained in the material herein. Because of the rapid advances in the medical sciences, the publisher recommends that independent verification of diagnoses and drug dosages should be made.

Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

Special regulations for authors. Upon acceptance of an article by the journal, the author(s) will be asked to transfer copyright of the article to the publisher. This transfer will ensure the widest possible dissemination of information.

Submission of a paper to this journal entails the author's irrevocable and exclusive authorization of the publisher to collect any sums or considerations for copying or reproduction payable by third parties (as mentioned in article 17, paragraph 2 of the Dutch Copyright Act of 1912, and in the Royal Decree of June 20, 1974 (S. 351) pursuant to article 16b of the Dutch Copyright Act of 1912) and/or to act in or out of Court in connection therewith.

Special regulations for readers in the U.S.A. This journal has been registered with the Copyright Clearance Center, Inc. Consent is given for copying of articles for personal or internal use, or for the personal use of specific clients. This consent is given on the condition that the copier pays through the Center the per-copy fee stated in the code on the first page of each article for copying beyond that permitted by sections 107 or 108 of the U.S. Copyright Law. The appropriate fee should be forwarded with a copy of the first page of the article to the Copyright Clearance Center, Inc., 27 Congress Street, Salem, MA 01970, U.S.A. If no code appears in an article, the author has not given broad consent to copy and permission to copy must be obtained directly from the author. All articles published prior to 1980 may be copied for a per-copy fee of U.S. $2.25, also payable through the Center. This consent does not extend to other kinds of copying, such as for general distribution, resale, advertising and promotion purposes, or for creating new collective works. Special written permission must be obtained from the publisher for such copying.

This journal is printed on acid-free paper.

Printed in The Netherlands

JOURNAL OF IMMUNOLOGICAL METHODS

AUTHOR AND SUBJECT INDEXES (1990) VOLUMES 126–135

CONTENTS

Announcement from the publisher v

Author index 1

Subject index 27

Notes to authors 77

Cited in: *Biological Abstracts, Index Medicus, Chemical Abstracts, Current Contents / Life Sciences, Excerpta Medica (EMBASE), Informedicus, Abstracts on Hygiene and Communicable Diseases, Tropical Diseases Bulletin, Pascal M and S (Biotechnology), Reference Update*